CECOS
INTERNATIONAL
5092 Aber Road
Williamsburg, Ohio 45176
513/724-6114

August 30, 2021

VIA EMAIL

Ms. Laurie Stevenson, Director
c/o Brad Mitchell
Ohio Environmental Protection Agency
Lazarus Government Center
50 West Town Street, Suite 700
Columbus, Ohio 43216-1049

RE: **OAC Rule 3745-54-98(G) through (G)(6)(d) Alternate Source Demonstration**
Statistically Significant Increases for Dissolved Barium for
Monitoring Wells MP-241R, MP-406C, and MP-409
2021 First Semiannual Statistical Analysis Results
CECOS International, Inc. - Aber Road Facility
Williamsburg, Ohio
EPA I.D. No. OHD 087 433 744

Dear Ms. Stevenson:

Pursuant to my July 1, 2021 letter to your office, transmitted herewith is Eagon & Associates, Inc.'s (Eagon) August 30, 2021 letter report demonstrating that the April 2021 statistically significant concentrations of dissolved barium observed at monitoring wells MP-241R, MP-406C, and MP-409 were not the result of a release from the regulated units at the CECOS International, Inc. – Aber Road facility (CECOS). Included with the July 1, 2021 letter was CECOS's OAC Rule 3745-54-98(G)(1) notification that, on July 1, 2021, CECOS determined that confirmed statistically significant concentrations of the indicator parameter dissolved barium was identified during routine semiannual groundwater detection monitoring activities performed at the facility in April 2021. CECOS is presently performing groundwater detection monitoring activities in accordance with the Resource Conservation & Recovery Act (RCRA) for six closed regulated units at the Aber Road facility: Secure Chemical Management Facility 6 (SCMF 6), SCMF 7, SCMF 8, SCMF 9, SCMF 10, and Fire Pond 4/5. Groundwater monitoring activities for the facility's Detection Monitoring Program (DMP) are performed in accordance with the facility's approved Post-Closure Plan (PCP; March 2019) and OAC Rules 3745-54-90 through 54-100.

Per OAC 3745-54-98(G)(2) and the facility's PCP, monitoring wells MP-241R, MP-406C, and MP-409, plus five additional investigatory monitoring wells, were sampled and analyzed for all site-specific Appendix IX hazardous constituents included in Table 14 of the facility's March 2019 Post-Closure Plan. That sampling was completed on July 12 and 13, 2021, within 30 days of the July 1, 2021 determination of the statistically significant increase, and the laboratory analytical results are included with Eagon's attached report. Except for naturally occurring arsenic and barium, and low-level detections of bis-2 ethyl hexyl phthalate, which are attributed to laboratory or field sources, not the regulated units, there were no quantified detections of any Appendix IX constituent.

Based on the Appendix IX sampling results from July 2021 and on the attached evaluation of the occurrence of barium at monitoring wells MP-241R, MP-406C, and MP-409, and at the Site as a whole, it is apparent that the April 2021 statistically significant concentrations were the result of false-positive statistical results caused by a combination of natural variability, very low variability in barium concentrations observed during the 2012-2018 background period used for statistical analyses, and an upward shift in site-wide barium results for the April 2021 event attributed to laboratory factors.

CECOS hereby requests Ohio EPA approval of the attached alternate source demonstrations. In addition, CECOS requests Ohio EPA concurrence that the statistical analysis plan should be revised by updating the background period to account for natural water-quality and laboratory variability observed since background was last updated in March 2019. Updates to the statistical analysis plan will constitute a Class 1A amendment to the facility's Post-Closure Plan and should be submitted to Ohio EPA for approval by September 29, 2021.

Please call me at (513) 724-6114 if you have any questions regarding this submittal.

Sincerely,
CECOS International, Inc.

Andrew Thompson
Environmental Manager

cc: (Via Email)
Tim Hull, Ohio EPA, SWDO, DERR
Lisa Graczyk, US EPA Region 5
Todd Gmitro, US EPA Region 5
Hannah Lubbers, Director-OEQ, Clermont County
Joe Montello, Republic Services
Michael Gibson, Eagon & Associates, Inc.

File: B.3

EAGON
& ASSOCIATES, INC.

100 Old Wilson Bridge Road
Suite 115
Worthington, Ohio 43085
(614) 888-5760
eagoninc.com

August 30, 2021

Mr. Andrew Thompson
CECOS International, Inc.
5092 Aber Road
Williamsburg, OH 45176

RE: OAC Rule 3745-54-98(G)(6) Alternate Source Demonstration
April 2021 Statistical Exceedance for Barium at Monitoring Wells MP-241R, MP-406C, and MP-409
Detection Monitoring Program
CECOS International, Inc. – Aber Road Facility

Dear Mr. Thompson:

In response to the April 2021 statistical exceedances for dissolved barium at Detection Monitoring Program (DMP) Bedrock-Till Interface (BTI) monitoring wells MP-241R and MP-409 and Channel Sand (CS) monitoring well MP-406C, and pursuant to your July 1, 2021 letter (Thompson to Stevenson, Director, Ohio EPA) notifying Ohio EPA of the exceedances and CECOS's intent to submit a demonstration that the increases were not the result of the facility, we have completed an investigation of the April 2021 results. BTI Wells MP-241R and MP-409 are downgradient of Fire Pond 4/5 and Secure Chemical Management Facility (SCMF) 9, respectively (Figure 1), and CS well MP-406C is generally downgradient of SCMF 8 (Figure 2). The Cells and SCMFs are RCRA regulated units undergoing 30-year post-closure groundwater detection monitoring under OAC Rules 3745-54-90 through 100, which commenced in 1997. Barium is a naturally occurring constituent observed in all monitoring wells installed in the four monitoring zones at the facility and the concentrations observed at the three wells with statistically significant concentrations in April 2021 were only slightly above their statistical limits and similar to barium concentrations observed in other BTI and CS wells across the Site.

Based on our review of the information discussed herein, including the results of Appendix IX sampling completed in July 2021, it is concluded that the April 2021 statistically significant concentrations for dissolved barium were false-positive statistical results caused by laboratory variability and statistical limits reflecting low variability in their respective statistical background datasets. There are no indications that the April 2021 results were associated with releases from the regulated units.

All 2021 first semiannual groundwater detection monitoring results were previously presented in Eagon & Associates, Inc.'s July 1, 2021 report: "Detection Monitoring Program, 2021 First Semiannual Groundwater Quality and Statistical Analysis Results, CECOS International, Inc., Aber Road Facility."

BACKGROUND

April 2021 Barium Exceedances

Semiannual groundwater detection monitoring performed in April 2021, and subsequent confirmation resampling performed in May 2021, identified confirmed statistically significant increases for dissolved barium at BTI monitoring wells MP-241R and MP-409 and at CS well MP-406C. The April 2021 results of 0.058 mg/L (MP-241R), 0.13mg/L (MP-409), and 0.16 mg/L (MP-406C) slightly exceeded their intrawell parametric prediction limits (PPLs) of 0.055 mg/L (MP-241R), 0.12 mg/L (MP-409), and 0.15 mg/L (MP-406C), respectively. The wells were resampled for dissolved barium in May 2021 and the results of 0.056 mg/L (MP-241R), 0.13 mg/L (MP-409), and 0.16 mg/L (MP-406C) confirmed the April exceedances. The determination of the confirmed statistically significant concentrations for the April 2021 event was formally made on July 1, 2021. In accordance with OAC 3745-54-98(G)(1), Ohio EPA was notified of the exceedances in the July 1, 2021 letter referenced previously.

As a result of the statistical exceedances for dissolved barium and in accordance with OAC 3745-54-98(G)(2) and the facility's post-closure plan (PCP), BTI wells MP-241R and MP-409, CS well MP-406C, and additional (extent) BTI groundwater monitoring wells MP-244R, MP-250, MP-279, MP-281 and CS well MP-281C were sampled for the facility's site-specific Appendix IX parameters (Table 14 of the PCP) from the appendix to OAC Rule 3745-54-98 on July 12 and 13, 2021, within 30 days of the July 1, 2021 determination of statistically significant changes. These wells are specified in Table 13 of the PCP as the Appendix IX well subsets associated with the wells that showed the barium statistical exceedances April 2021. The laboratory analytical report for the July 2021 event and a table that summarizes the results are provided in Attachment 1.

Groundwater Monitoring Program

The groundwater detection monitoring network for the DMP consists of 45 monitoring wells installed in the four monitoring horizons at the Site: The Upper Sand (9 wells), the 880 Sand (16 wells), the Channel Sand (3 wells), and the BTI (17 wells). Statistical analyses are performed on an intrawell basis using parametric and nonparametric prediction limits, where applicable. The monitoring program, including the statistical analysis program, is described in further detail in Sections 10 and 11 of the March 2019 document: "Post-Closure Plan, CECOS International Inc., Aber Road Facility, Williamsburg, Ohio."

DATA EVALUATION & DISCUSSION

OAC 3745-54-98(G)(2) Sampling Results

In accordance with the PCP, the July 2021 samples were analyzed for Appendix IX constituents listed in Table 14 of the PCP, including: dissolved metals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides/herbicides, polychlorinated biphenyls (PCBs), cyanide, and sulfide. Except for dissolved barium at the eight wells sampled in July 2021 (MP-241R, MP-244R, MP-250, MP-279, MP-281, MP-281C, MP-406C, MP-409) and dissolved arsenic at MP-281C, MP-406C, MP-409, MP-250, and MP-241R, there were no

quantified detections for metals. There were also no quantified detections for any other constituents analyzed for the July 2021 Appendix IX sampling event, with the exception of four low-level, quantified detections of bis-2 (ethyl hexyl) phthalate (bis-2) (wells MP-241R, MP-244R, MP-279, and MP-281) between 5 and 8.1 ug/L. The anomalous bis-2 detections in July are attributed to suspected laboratory cross-contamination. Phthalates are common in the sampling and laboratory environment, as seen in the QA/QC report for the event that documents the presence of Di n butyl phthalate in the laboratory's method blank (Attachment 1).

Bis-2 detections in July included various areas and zones sampled; however, it is noted that bis-2 was not detected in two of the three wells with statistical exceedances in April 2021, wells MP-406C and MP-409. In addition, wells MP-244R, MP-279, and MP-281, with bis-2 detections in July, displayed no statistically significant indicator parameter concentrations in April. With respect to barium detections for the July 2021 Appendix IX event, it is noteworthy that all concentrations were below their respective statistical limits, including at the result of decreases observed for the three wells with confirmed barium exceedances in April 2021 (MP-241R, MP-406C, and MP-409).

The Appendix IX sampling results and declines of barium to below the statistical limits support the initial presumption that the statistical exceedances observed for dissolved barium at monitoring wells MP-241R, MP-406C, and MP-409 during the April 2021 event were the result of false-positive statistical results caused by the combination of potentially elevated site-wide barium results due to variation in the analyses at the laboratory and the limited variation in background concentrations at several wells. The following discussion supports this conclusion that the barium results from the April 2021 event are not indicative of a release from the facility.

MP-241R and MP-409 Barium (BTI)

As noted above, barium is regularly detected at all BTI monitoring wells at the facility, including wells MP-241R and MP-409. In April 2021, the barium concentration of 0.058 mg/L (0.056 mg/L resample) at MP-241R and 0.13 mg/L (0.13 mg/L resample) at MP-409 were within the range of barium concentrations observed at other BTI monitoring wells and are not considered elevated for natural groundwater near the Site. The range of natural variability in barium concentrations in the BTI at the Site are shown on the historic time-series plots for barium shown on Figure 3. As these plots show, the barium results for MP-241R and MP-409 during the 2021 first semiannual event were consistent with other unimpacted DMP wells in the BTI. The individual plots that include the statistical limits for barium are shown in Attachment 2. Notably, the plots in Attachment 2 and Figure 3 show that the April 2021 results show an upward shift in barium concentrations, compared to recent historical results, across the entire BTI network. These site-wide increases for barium strongly suggest that laboratory variability contributed to the statistical exceedances for the two BTI wells. As shown in Attachment 2, wells MP-241R and MP-409 display limited variation in their background datasets, which corresponds to tighter statistical limits that are more susceptible to false-positive statistical exceedances.

Table 1 shows a summary of the barium results and exceedances observed for the 2021 first semiannual event. A summary of all of the barium results from the April, May resampling, and July 2021 Appendix IX sampling events also is included in Table 1. Note that all of the

statistically significant results in April and May were only slightly above their associated parametric predication limits (PPLs). To further evaluate potential laboratory factors affecting the April and May 2021 results, the laboratory was asked to report April 2021 barium results for Method 6020A (ICP-mass spectrometry), which was used to analyze for other metals during the event. The laboratory also was asked to re-analyze the May 2021 barium results using Method 6020A. In accordance with the PCP, the default analytical method for barium is Method 6010C (ICP). Review of these additional results showed that all of the barium results for the affected wells analyzed using Method 6020A were lower than the corresponding samples analyzed using Method 6010C specified in the PCP, and none of the 6020A were statistically significant at wells that displayed statistically significant barium results in April 2021. In addition, none of the barium results exceeded their PPLs during the July 2021 Appendix IX event using Method 6010C, even though the laboratory flagged the barium results from that event as "high biased" due to interference effects.

Although the high bias did not cause the barium results to exceed any PPLs for the July 2021 Appendix IX event, it does help illustrate laboratory variability, which has the potential to cause statistically significant changes in reported concentrations. The July 2021 barium results also further support the conclusion that the exceedances identified during the April and May (resampling) events were not a result of a release from the facility. The laboratory report from the July Appendix IX sampling event is presented in Attachment 1. Attachment 3 includes the laboratory report from the 6020A reanalysis of the April and May (resampling) event samples.

The statistical sensitivity to barium at MP-241R and MP-409 is a byproduct of a high number of background results with a very small range of concentrations that do not capture the full range of temporal and/or potential laboratory analytical variability for these wells. The limited range of variability at MP-241R (between 0.041 mg/L to 0.0.058 mg/L) and MP-409 (0.11 mg/L to 0.13 mg/L) observed during the background period is shown on the charts starting in 2012. The overall range of barium concentrations for both wells since 2012 is consistently within the range of concentrations at other BTI wells, as shown on the barium time-series plots for BTI wells (Figure 3). On one hand, the small range in variability shows good sampling and analysis practices and results in conservatively low limits. On the other hand, it introduces the possibility of false-positive exceedances if concentrations very slightly in the post-background events. An update to these background periods is recommended to increase statistical power and reduce the possibility of false-positive statistical exceedances at wells MP-241R and MP-409.

MP-406C Barium (Channel Sand)

As noted above, barium is regularly detected at all DMP monitoring wells at the facility, including the three monitoring wells (MP-406C, MP-281C, and MP-286C) completed in the Channel Sand. The range of natural variability in barium concentrations in the CS at the Site is shown on the time-series plots presented on Figure 4. As show on Figure 4, fluctuations in barium at MP-406C directly correlate with those in upgradient well MP-286C and are similar in concentration. In April/May 2021, the barium concentrations at MP-406C (0.16 mg/L for both events) were similar to the April barium concentration (0.14 mg/L) at MP-286C. Therefore, the statistical exceedance is attributed to the limited range of concentrations in the background dataset for MP-406C, not a release from the facility. As discussed previously, it is also noted that the

dissolved barium result of 0.15 mg/L for MP-406C for the July 2021 Appendix IX event was not statistically significant.

Well MP-406C is immediately downgradient of the originally permitted SMCF 11 (Figure 2), which was never constructed and, therefore, never received waste. The well is otherwise downgradient of the western corner of SCMF 8 (Figure 2). Monitoring well MP-231AR is completed in a shallower sand zone (Upper Sand) above the channel sand at the western corner of SMCF 11. If a release from SCMF 8 to groundwater had occurred, water quality concentrations in MP-231AR would be expected to be impacted prior to any other site monitoring well, but it shows no evidence of contamination. For example, barium results in MP-231AR were very low (0.0051 mg/L) for the April 2021 event.

The statistical sensitivity to barium at MP-406C is considered to be a byproduct of a background period that does not capture the full range of potential temporal and laboratory analytical variability for this well. The limited range of variability (between 0.14 mg/L to 0.16 mg/L) observed during the background period is shown on the PPL chart starting in 2012 (Attachment 2). The overall range (0.02 mg/L) of barium concentrations for MP-406C since 2012 is the same range of concentrations at upgradient CS well MP-281C (0.02 mg/L; 0.13 mg/L to 0.15 mg/L). It is recommended that the background period be updated for MP-406C to incorporate these recent data and reduce the number of future false-positive statistical results.

CONCLUSIONS

Based on the Appendix IX sampling results from July 2021 and on the above evaluation of the occurrence of barium at monitoring wells MP-241R, MP-406C, and MP-409, and at the Site as a whole, it is concluded that the April 2021 statistically significant concentrations were false-positive statistical results caused by laboratory variability and/or overly sensitive statistical limits (i.e., small statistical background ranges), not a release from the regulated units. Although similar increases in barium were observed at other wells, greater background variability in most wells precluded more false-positive statistical exceedances. Significantly, none of the barium results from the eight wells sampled during the July 2021 Appendix IX event exceeded their respective statistical limits for dissolved barium.

It is our recommendation that CECOS request the Director of Ohio EPA's approval of this alternate source demonstration for the April 2021 barium exceedances at monitoring wells MP-241R, MP-406C, and MP-409, pursuant to the provisions of OAC 3745-54-98(G) through (G)(6)(d). In addition, in accordance with OAC Rule 3745-54-98(G)(6)(c)&(d) we recommend that CECOS submit a Class 1A amendment request to make appropriate changes to the DMP in the PCP to revise the statistical analysis plan to include updated background observation periods for dissolved barium. The updated background periods should include all appropriate data collected through July 2021, excluding the method 6020A data that was analyzed only for demonstration purposes. The amendment request should be submitted to Ohio EPA by September 29, 2021, which is 90 days from the July 1, 2021 determination of the statistical exceedances for dissolved barium at wells MP-241R, MP-406C, and MP-409.

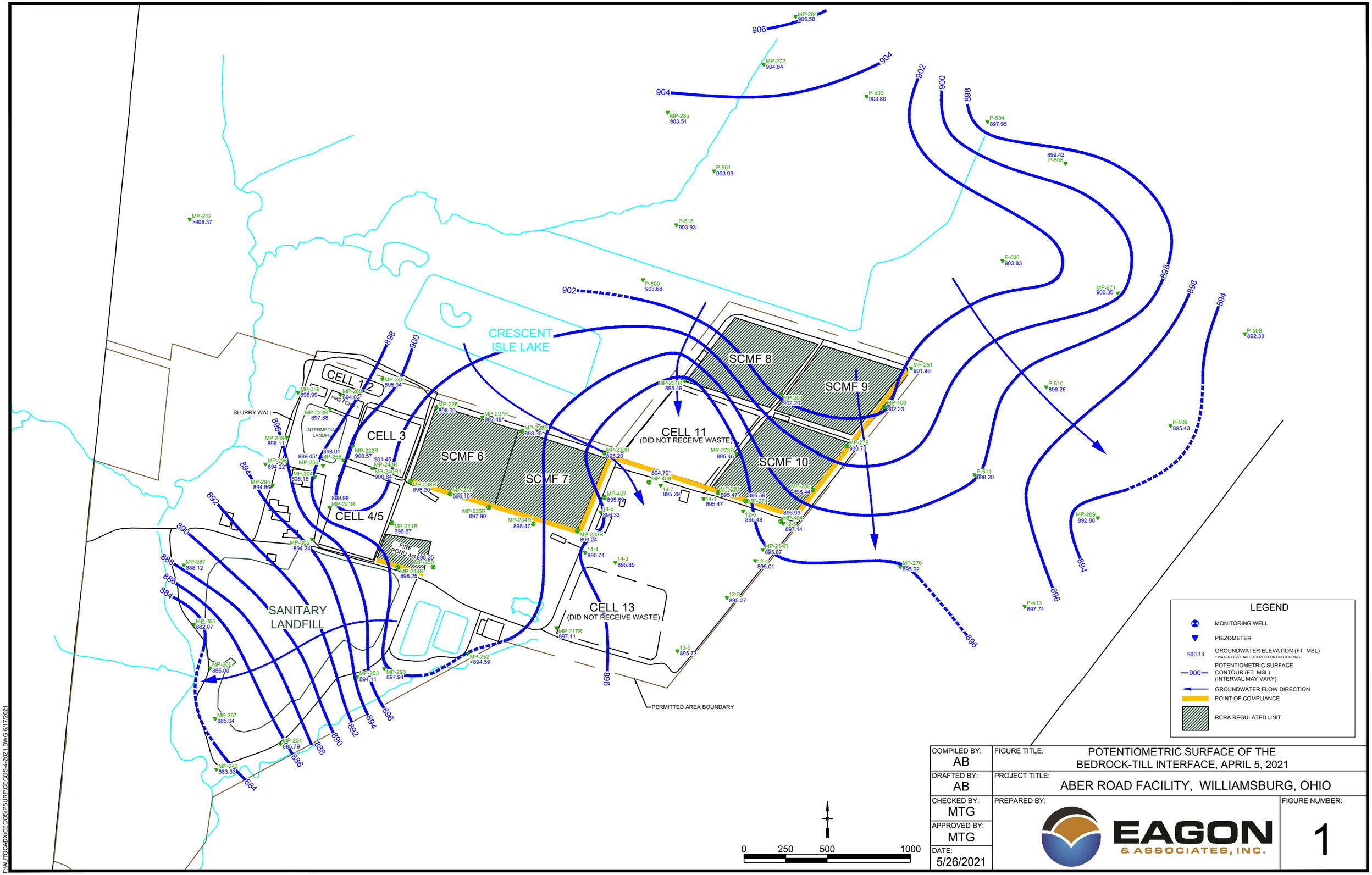
Please do not hesitate to contact me if you have any questions.

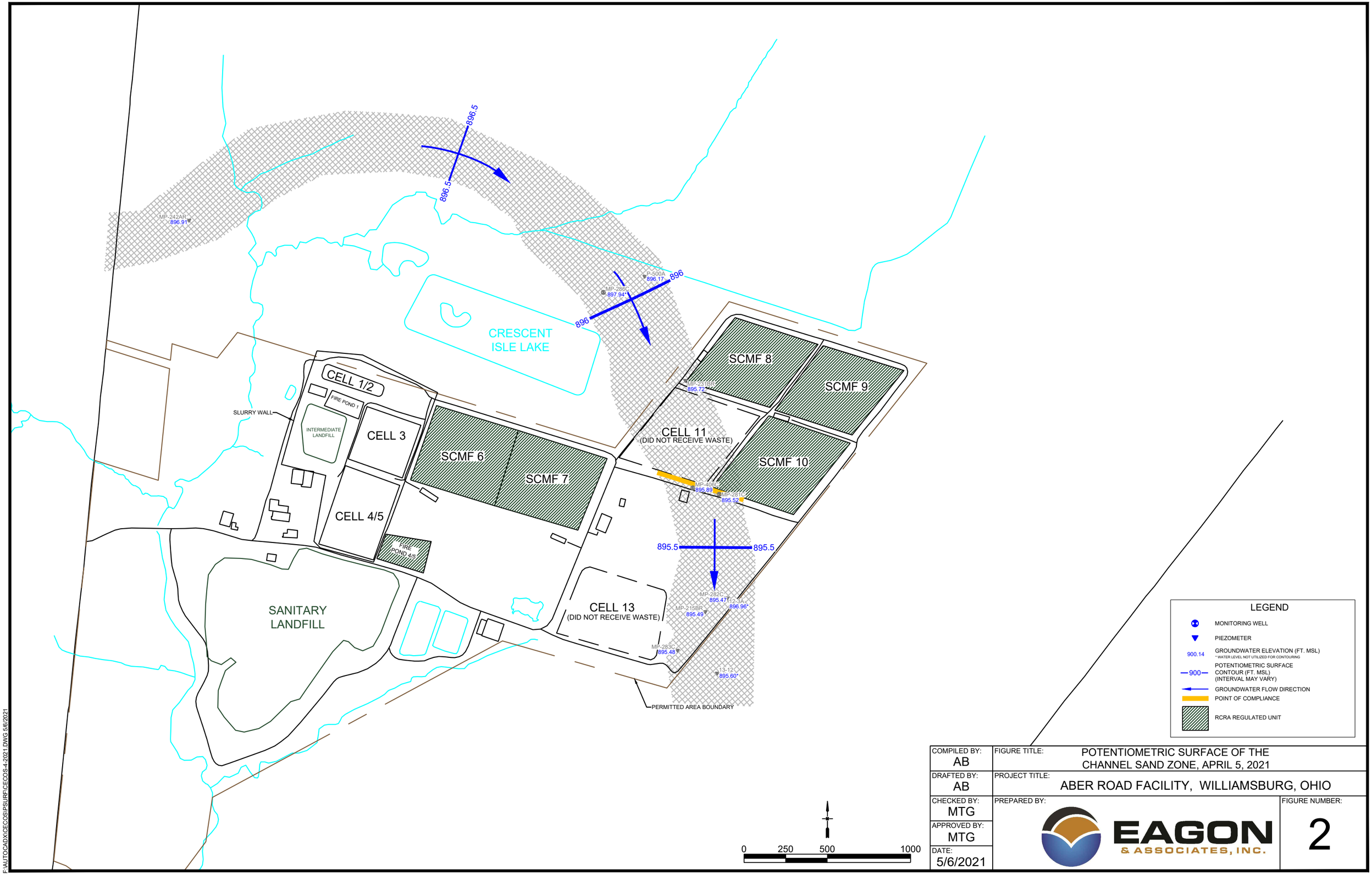
Sincerely,

Michael T. Gibson, CPG
Hydrogeologist

MTG/ns
encl.

FIGURES

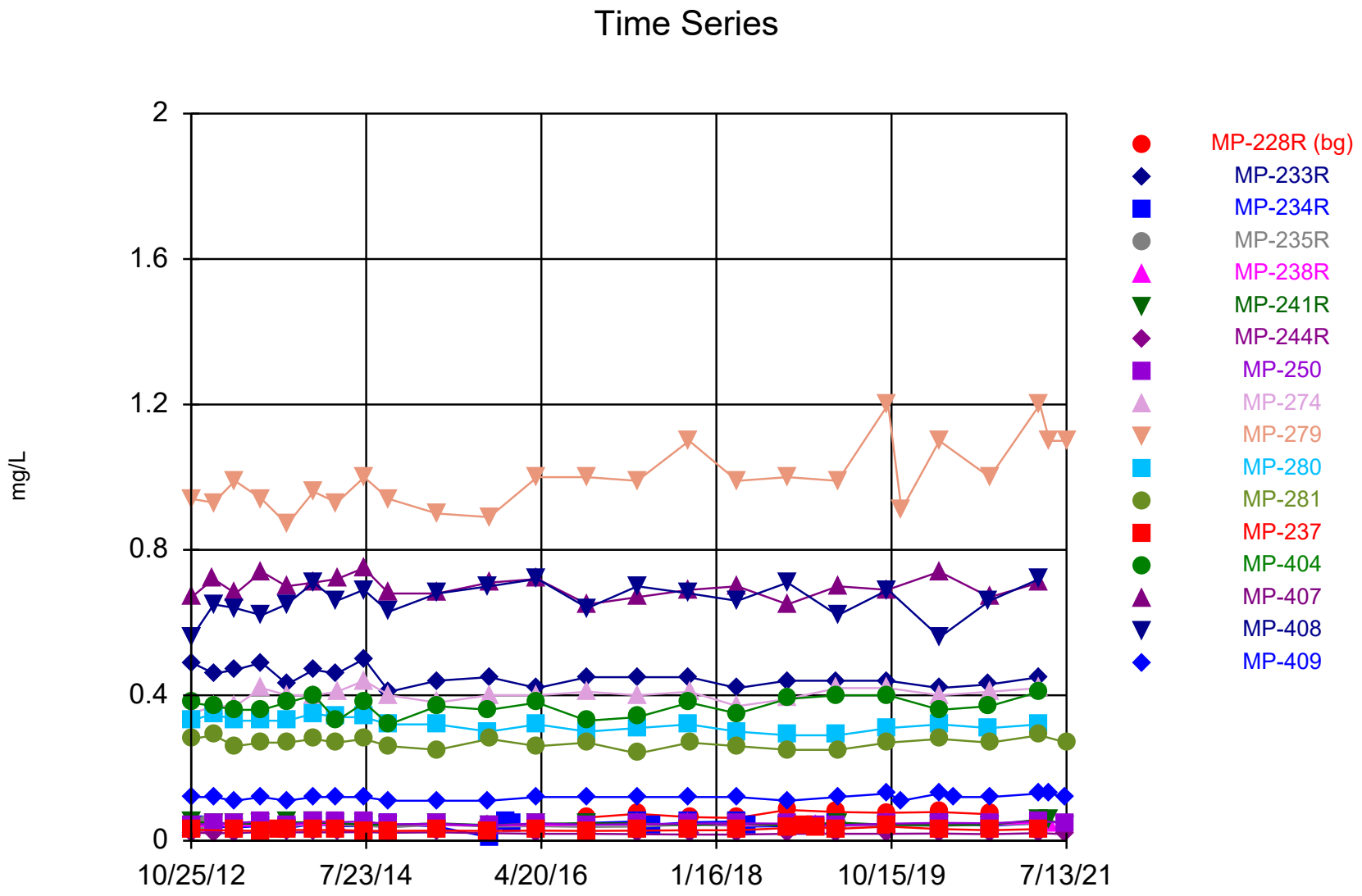

CRESCENT ISLE LAKE
CELL 1 2
CELL 3
CELL 4/5
CELL 11
(DID NOT RECEIVE WASTE)
CELL 13
(DID NOT RECEIVE WASTE)
SCMF 6
SCMF 7
SCMF 8
SCMF 9
SCMF 10
SANITARY LANDFILL
SLURRY WALL
INTERMEDIATE LANDFILL
FIRE POND 1
FIRE POND 4/5
PERMITTED AREA BOUNDARY
LEGEND
MONITORING WELL
PIEZOMETER
900.14 GROUNDWATER ELEVATION (FT. MSL)
* WATER LEVEL NOT UTILIZED FOR CONTOURING
900 POTENTIOMETRIC SURFACE CONTOUR (FT. MSL) (INTERVAL MAY VARY)
GROUNDWATER FLOW DIRECTION
POINT OF COMPLIANCE
RCRA REGULATED UNIT
0 250 500 1000
COMPILED BY: AB
DRAFTED BY: AB
CHECKED BY: MTG
APPROVED BY: MTG
DATE: 5/26/2021
FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE BEDROCK-TILL INTERFACE, APRIL 5, 2021
PROJECT TITLE: ABER ROAD FACILITY, WILLIAMSBURG, OHIO
PREPARED BY:
EAGON & ASSOCIATES, INC.
FIGURE NUMBER: 1
F:\AUTOCAD\XCECOS\PSURF\CECOS-4-2021.DWG 6/17/2021



COMPILED BY: AB	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE CHANNEL SAND ZONE, APRIL 5, 2021
DRAFTED BY: AB	PROJECT TITLE: ABER ROAD FACILITY, WILLIAMSBURG, OHIO
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 2
DATE: 5/6/2021	

F:\AUTOCAD\X\CECOS\PSUR\FCECOS-4-2021.DWG 5/6/2021

Sanitas™ v.9.6.30 Software licensed to Eagon & Associates, Inc. UG

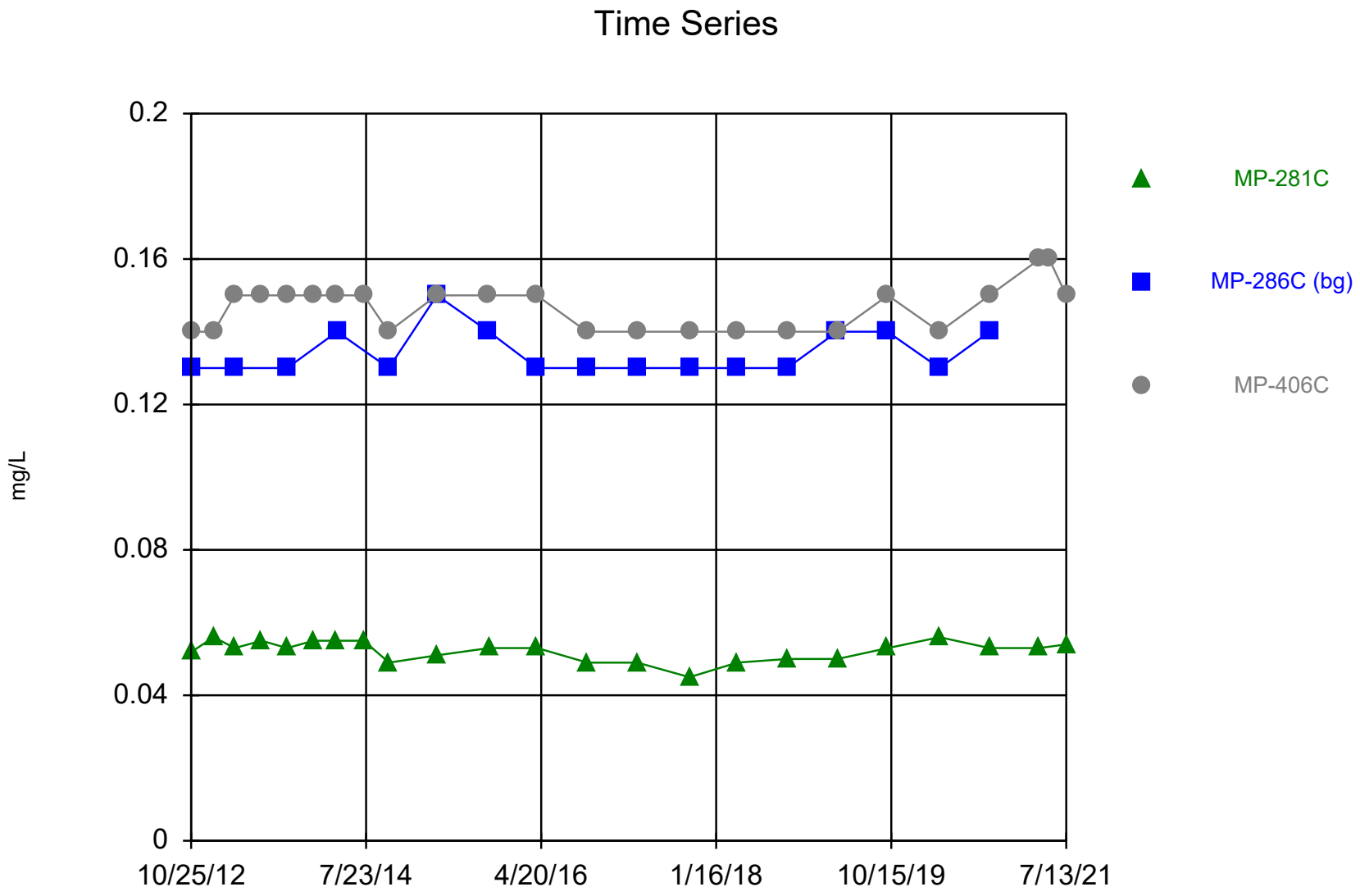


Constituent: Barium Dissolved Analysis Run 8/26/2021 10:17 AM View: Barium Time Series

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

FIGURE 3.

Sanitas™ v.9.6.30 Software licensed to Eagon & Associates, Inc. UG



Constituent: Barium Dissolved Analysis Run 8/26/2021 10:42 AM View: WQ Summary Tables

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

FIGURE 4.

TABLES

TABLE 1.
SUMMARY OF BARIUM RESULTS
2021 FIRST SEMIANNUAL SAMPLING EVENT
CECOS - ABER ROAD LANDFILL

	PPL	April 2021 (6010)	April 2021 (6020A)	Initial Exceedance (Yes/No)	May 2021 Resampling (6010)	May 2021 Resampling (6020A)	Confirmed Exceedance (Yes/No)	July 2021	Exceeds PPL (Yes/No)
DETECTION MONITORING WELLS									
MP-238R	0.049	**0.05**	0.043	**Yes**	0.045	--	No	--	--
MP-241R	0.055	**0.058**	0.055	**Yes**	**0.056**	0.051	**Yes**	0.044*	No
MP-279	1.1	**1.2**	1.1	**Yes**	1.1	--	No	1.1*	No
MP-406C	0.15	**0.16**	0.14	**Yes**	**0.16**	0.14	**Yes**	0.15*	No
MP-409	0.12	**0.13**	0.12	**Yes**	**0.13**	0.13	**Yes**	0.12*	No
EXTENT WELLS FOR APPENDIX IX SAMPLING									
MP-281	0.3	0.29	0.25	No	--	--	--	0.27*	No
MP-281C	0.058	0.053	0.051	No	--	--	--	0.054*	No
MP-250	0.056	0.054	0.046	No	--	--	--	0.048*	No
MP-244R	0.027	0.021	0.020	No	--	--	--	0.018*	No
MP-279	1.1	1.2	1.1	No	--	--	--	1.1*	No

PPL - parametric prediction limit

Bold denotes statistical exceedance.

* - Results flagged as "high biased" by laboratory.

Note: All results are in ug/L.

ATTACHMENT 1

Bedrock-Till Interface Monitoring Wells - Analytical Data Summary Table - July 12-13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 8/26/2021, 9:55 AM

	MP-241R	MP-244R	MP-250	MP-279	MP-281	MP-409
1112-Tetrachloroethane (ug/L)	<2	<2	<2	<2	<2	<2
111-Trichloroethane (ug/L)	<2	<2	<2	<2	<2	<2
1122-Tetrachloroethane (ug/L)	<2	<2	<2	<2	<2	<2
112-Trichloroethane (ug/L)	<2	<2	<2	<2	<2	<2
11-Dichloroethane (ug/L)	<2	<2	<2	<2	<2	<2
11-Dichloroethylene (ug/L)	<2	<2	<2	<2	<2	<2
123-Trichloropropane (ug/L)	<2	<2	<2	<2	<2	<2
1245-Tetrachlorobenzene (ug/l)	<20	<20	<20	<20	<20	<20
124-Trichlorobenzene (ug/L)	<10 (J)	<10	<10	<10	<10	<10
12-Dibromo-3-chloropropane (ug/L)	<0.01	<0.011	<0.01	<0.01	<0.011	<0.011
12-Dibromoethane (ug/L)	<0.01	<0.011	<0.01	<0.01	<0.011	<0.011
12-Dichlorethylene (ug/l)	<2	<2	<2	<2	<2	<2
12-Dichlorobenzene (ug/L)	<10	<10	<10	<10	<10	<10
12-Dichloroethane (ug/L)	<2	<2	<2	<2	<2	<2
12-Dichloropropane (ug/L)	<2	<2	<2	<2	<2	<2
13-Dichlorobenzene (ug/L)	<10	<10	<10	<10	<10	<10
14-Dichlorobenzene (ug/L)	<10	<10	<10	<10	<10	<10
14-Dioxane (ug/L)	<1000	<1000	<1000	<1000	<1000	<1000
14-Naphthoquinone (ug/l)	<50	<50	<50	<50	<50	<50
1-Naphthylamine (ug/l)	<10	<10	<10	<10	<10	<10
22`-oxybis[1-Chloropropane] (ug/l)	<10	<10	<10	<10	<10	<10
2346-Tetrachlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
245-T (ug/l)	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
245-TP [Silvex] (ug/l)	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
245-Trichlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
246-Trichlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
24-D (ug/l)	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
24-Dichlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
24-Dimethylphenol (ug/l)	<10	<10	<10	<10	<10	<10
24-Dinitrophenol (ug/l)	<50	<50	<50	<50	<50	<50
24-Dinitrotoluene (ug/l)	<10	<10	<10	<10	<10	<10
26-Dichlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
26-Dinitrotoluene (ug/l)	<10	<10	<10	<10	<10	<10
2-Acetylaminofluorene (ug/l)	<20	<20	<20	<20	<20	<20
2-Butanone (ug/l)	<10	<10	<10	<10	<10	<10
2-Chloro-13-butadiene (ug/l)	<2	<2	<2	<2	<2	<2
2-Chloronaphthalene (ug/l)	<10	<10	<10	<10	<10	<10
2-Chlorophenol (ug/l)	<10	<10	<10	<10	<10	<10
2-Hexanone (ug/L)	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene (ug/l)	<10	<10	<10	<10	<10	<10
2-Methylphenol (ug/l)	<10	<10	<10	<10	<10	<10
2-Naphthylamine (ug/l)	<10	<10	<10	<10	<10	<10
2-Nitroaniline (ug/l)	<50	<50	<50	<50	<50	<50
2-Nitrophenol (ug/l)	<10	<10	<10	<10	<10	<10
2-Picoline (ug/l)	<80	<80	<80	<80	<80	<80
2-Sec-butyl-46-dinitrophenol (ug/l)	<10	<10	<10	<10	<10	<10
3 & 4 Methylphenol (ug/l)	<20	<20	<20	<20	<20	<20
33`-Dimethylbenzidine (ug/l)	<50	<50	<50	<50	<50	<50
33-Dichlorobenzidine (ug/l)	<20	<20	<20	<20	<20	<20
3-Chloroprene (ug/l)	<2	<2	<2	<2	<2	<2

Bedrock-Till Interface Monitoring Wells - Analytical Data Summary Table - July 12-13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 8/26/2021, 9:55 AM

	MP-241R	MP-244R	MP-250	MP-279	MP-281	MP-409
3-Methylcholanthrene (ug/l)	<10	<10	<10	<10	<10	<10
3-Nitroaniline (ug/l)	<50	<50	<50	<50	<50	<50
44`-DDD (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
44`-DDE (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
44-DDT (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
46-Dinitro-2-methylphenol (ug/l)	<50	<50	<50	<50	<50	<50
4-Aminobiphenyl (ug/l)	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether (ug/l)	<10	<10	<10	<10	<10	<10
4-Chloro-3-Methylphenol (ug/l)	<10	<10	<10	<10	<10	<10
4-Chloroaniline (ug/l)	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether (ug/l)	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone [MIBK] (ug/l)	<10	<10	<10	<10	<10	<10
4-Nitroaniline (ug/l)	<50	<50	<50	<50	<50	<50
4-Nitrophenol (ug/l)	<50	<50	<50	<50	<50	<50
4-Nitroquinoline-1-oxide (ug/l)	<40	<40	<40	<40	<40	<40
5-Nitro-o-toluidine (ug/l)	<10	<10	<10	<10	<10	<10
712-Dimethylbenz[a]anthracene (ug/l)	<10	<10	<10	<10	<10	<10
a-BHC (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene (ug/l)	<10	<10	<10	<10	<10	<10
Acenaphthylene (ug/l)	<10	<10	<10	<10	<10	<10
Acetone (ug/L)	<10	<10	<10	<10	<10	<10
Acetonitrile (ug/L)	<170	<170	<170	<170	<170	<170
Acetophenone (ug/l)	<10	<10	<10	<10	<10	<10
Acrolein (ug/L)	<20	<20	<20	<20	<20	<20
Acrylonitrile (ug/L)	<20	<20	<20	<20	<20	<20
Aldrin (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aniline (ug/l)	<10	<10	<10	<10	<10	<10
Anthracene (ug/l)	<10	<10	<10	<10	<10	<10
Antimony Dissolved (mg/l)	<0.001	<0.001	<0.001	<0.001	<0.001 (J)	<0.001
Aramite (ug/l)	<20	<20	<20	<20	<20	<20
Aroclor 1016 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260 (ug/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic Dissolved (mg/L)	0.0012	<0.001 (J)	0.0013	<0.001 (J)	<0.001	0.0016
Barium Dissolved (mg/L)	0.044	0.018	0.048	1.1	0.27	0.12
b-BHC (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene (ug/L)	<2	<2	<2	<2	<2	<2
Benzo[a]anthracene (ug/l)	<10	<10	<10	<10	<10	<10
Benzo[a]pyrene (ug/l)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Benzo[b]fluoranthene (ug/l)	<10	<10	<10	<10	<10	<10
Benzo[ghi]perylene (ug/l)	<10	<10	<10	<10	<10	<10
Benzo[k]fluoranthene (ug/l)	<10	<10	<10	<10	<10	<10
Benzyl alcohol (ug/l)	<20	<20	<20	<20	<20	<20
Beryllium Dissolved (mg/l)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Bis[2-chloroethoxy]methane (ug/l)	<10	<10	<10	<10	<10	<10
Bis[2-chloroethyl]ether (ug/l)	<10	<10	<10	<10	<10	<10

Bedrock-Till Interface Monitoring Wells - Analytical Data Summary Table - July 12-13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 8/26/2021, 9:55 AM

	MP-241R	MP-244R	MP-250	MP-279	MP-281	MP-409
Bis[2-ethylhexyl] phthalate (ug/l)	6.2	8.1	<5	7	5	<5
Bromoform (ug/L)	<2	<2	<2	<2	<2	<2
Bromomethane [Methyl bromide] (ug/L)	<2	<2	<2	<2	<2	<2
Butyl benzylphthalate [BBP] (ug/l)	<10	<10	<10	<10	<10	<10
Cadmium Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide (ug/L)	<2	<2	<2	<2	<2	<2
Carbon tetrachloride (ug/L)	<2	<2	<2	<2	<2	<2
Chlordane (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene (ug/L)	<2	<2	<2	<2	<2	<2
Chlorobenzilate (ug/l)	<50	<50	<50	<50	<50	<50
Chloroethane (ug/L)	<2	<2	<2	<2	<2	<2
Chloroform (ug/L)	<2	<2	<2	<2	<2	<2
Chloromethane [Methyl chloride] (ug/L)	<2	<2	<2	<2	<2	<2
Chromium Dissolved (mg/L)	<0.005 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
Chrysene (ug/l)	<10	<10	<10	<10	<10	<10
cis-13-Dichloropropylene (ug/L)	<2	<2	<2	<2	<2	<2
Cobalt Dissolved (mg/l)	<0.004 (J)	<0.004 (J)	<0.004	<0.004	<0.004	<0.004
Conductance Field (umhos/cm)	924	1539	1019	9294	1661	934
Copper Dissolved (mg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
d-BHC (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diallate (ug/l)	<10	<10	<10	<10	<10	<10
Dibenzo[ah]anthracene (ug/l)	<10	<10	<10	<10	<10	<10
Dibenzofuran (ug/l)	<10	<10	<10	<10	<10	<10
Dibromochloromethane (ug/L)	<2	<2	<2	<2	<2	<2
Dibromomethane (ug/L)	<2	<2	<2	<2	<2	<2
Dichlorobromomethane (ug/L)	<2	<2	<2	<2	<2	<2
Dichlorodifluoromethane (ug/L)	<2	<2	<2	<2	<2	<2
Dieldrin (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Diethyl phthalate (ug/l)	<10 (J)	<10 (J)	<10	<10	<10	<10 (J)
Dimethoate (ug/l)	<10	<10	<10	<10	<10	<10
Dimethylaminoazobenzene (ug/l)	<50	<50	<50	<50	<50	<50
DIMETHYLPHTHALATE (ug/l)	<10	<10	<10	<10	<10	<10
Di-n-butylphthalate [DBP] (ug/l)	<10 (J)	<10	<10	<10 (J)	<10 (J)	<10
Di-n-octyl phthalate [DnOP] (ug/l)	<10	<10	<10	<10	<10	<10
Diphenylamine (ug/l)	<50	<50	<50	<50	<50	<50
Disulfoton (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Endosulfan I (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan II (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethyl methacrylate (ug/L)	<2	<2	<2	<2	<2	<2
Ethyl methanesulfonate (ug/l)	<10	<10	<10	<10	<10	<10
Ethylbenzene (ug/L)	<2	<2	<2	<2	<2	<2
Famphur (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Fluoranthene (ug/l)	<10	<10	<10	<10	<10	<10
Fluorene (ug/l)	<10	<10	<10	<10	<10	<10
gamma-BHC [Lindane] (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Bedrock-Till Interface Monitoring Wells - Analytical Data Summary Table - July 12-13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 8/26/2021, 9:55 AM

	MP-241R	MP-244R	MP-250	MP-279	MP-281	MP-409
Heptachlor epoxide (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (ug/l)	<5	<5	<5	<5	<5	<5
Hexachlorobutadiene (ug/L)	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene (ug/l)	<5	<5	<5	<5	<5	<5
Hexachloroethane (ug/l)	<300	<300	<300	<300	<300	<300
Hexachlorophene (ug/l)	<310	<310	<310	<310	<310	<310
Hexachloropropene (ug/l)	<10	<10	<10	<10	<10	<10
Indeno[123-cd]pyrene (ug/l)	<10	<10	<10	<10	<10	<10
Iodomethane (ug/L)	<2	<2	<2	<2	<2	<2
Isobutyl alcohol (ug/L)	<1000	<1000	<1000	<1000	<1000	<1000
Isodrin (ug/l)	<10	<10	<10	<10	<10	<10
Isophorone (ug/l)	<10	<10	<10	<10	<10	<10
Isosafrole (ug/l)	<10	<10	<10	<10	<10	<10
Kepone (ug/l)	<52	<52	<52	<52	<52	<52
Lead Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m-Dinitrobenzene (ug/l)	<20	<20	<20	<20	<20	<20
Mercury Dissolved (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Methacrylonitrile (ug/L)	<10	<10	<10	<10	<10	<10
Methapyrilene (ug/l)	<52	<52	<52	<52	<52	<52
Methoxychlor (ug/l)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl methacrylate (ug/L)	<10	<10	<10	<10	<10	<10
Methyl methanesulfonate (ug/l)	<10	<10	<10	<10	<10	<10
Methyl parathion (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Methylene chloride (ug/L)	<2	<2	<2	<2	<2	<2
Naphthalene (ug/L)	<10	<10	<10	<10	<10	<10
Nickel Dissolved (mg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosodiethylamine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosodimethylamine (ug/l)	<50	<50	<50	<50	<50	<50
N-Nitrosodi-n-butylamine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosodi-n-propylamine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosomethylethylamine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosomorpholine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosopiperidine (ug/l)	<10	<10	<10	<10	<10	<10
N-Nitrosopyrrolidine (ug/l)	<10	<10	<10	<10	<10	<10
O-Toluidene (ug/l)	<20	<20	<20	<20	<20	<20
Oxygen, Dissolved (mg/l)	0.24	0.32	0.15	0.12	0.08	0.22
Parathion (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Pentachlorobenzene (ug/l)	<10	<10	<10	<10	<10	<10
Pentachloroethane (ug/L)	<10	<10	<10	<10	<10	<10
Pentachloronitrobenzene (ug/l)	<10	<10	<10	<10	<10	<10
Pentachlorophenol (ug/l)	<1	<1	<1	<1	<1	<1
pH [Field] (su)	8.68	7.53	7.23	6.93	7.22	7.26
Phenacetin (ug/l)	<50	<50	<50	<50	<50	<50
Phenanthrene (ug/l)	<10	<10	<10	<10	<10	<10
Phenol (ug/l)	<10	<10	<10	<10	<10	<10
Phentermine (ug/l)	<100	<100	<100	<100	<100	<100
Phorate (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
p-Phenylene diamine (ug/l)	<800	<800	<800	<800	<800	<800

Bedrock-Till Interface Monitoring Wells - Analytical Data Summary Table - July 12-13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 8/26/2021, 9:55 AM

	MP-241R	MP-244R	MP-250	MP-279	MP-281	MP-409
Pronamide (ug/l)	<10	<10	<10	<10	<10	<10
Propionitrile (ug/L)	<50	<50	<50	<50	<50	<50
Pyrene (ug/l)	<10	<10	<10	<10	<10	<10
Pyridine (ug/l)	<50	<50	<50	<50	<50	<50
Redox (millivolts)	30.4	-63.9	-52.9	-58.2	-89.2	-42
Safrole (ug/l)	<10	<10	<10	<10	<10	<10
Selenium Dissolved (mg/L)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Silver Dissolved (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Styrene (ug/L)	<2	<2	<2	<2	<2	<2
Sulfide Total (mg/l)	<1	<1	<1	<1	<1	<1
Sulfotepp (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
sym-Trinitrobenzene (ug/l)	<50	<50	<50	<50	<50	<50
Temperature (Deg-C)	18	16.5	15.8	16.8	15.2	15.9
Tetrachloroethylene (ug/L)	<2	<2	<2	<2	<2	<2
Thallium Dissolved (mg/l)	<0.0002	<0.0002	<0.0002	<0.0002 (J)	<0.0002	<0.0002
Thionazin (ug/l)	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Tin Dissolved (mg/l)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene (ug/L)	<2	<2	<2	<2	<2	<2
Toxaphene (ug/l)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-13-Dichloropropylene (ug/L)	<2	<2	<2	<2	<2	<2
trans-14-Dichloro-2-butene (ug/L)	<5	<5	<5	<5	<5	<5
Trichloroethylene (ug/L)	<2	<2	<2	<2	<2	<2
Trichlorofluoromethane (ug/L)	<2	<2	<2	<2	<2	<2
Turbidity (NTU)	6.61	2.83	2.1	5.75	4.45	7.96
Vanadium Dissolved (mg/l)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl acetate (ug/L)	<10	<10	<10	<10	<10	<10
Vinyl chloride (ug/L)	<1	<1	<1	<1	<1	<1
Xylenes [Total] (ug/L)	<3	<3	<3	<3	<3	<3
Zinc Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Channel Sand Monitoring Wells - Analytical Data Summary Table - July 13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 8/26/2021, 9:48 AM

	MP-281C	MP-406C
1112-Tetrachloroethane (ug/L)	<2	<2
111-Trichloroethane (ug/L)	<2	<2
1122-Tetrachloroethane (ug/L)	<2	<2
112-Trichloroethane (ug/L)	<2	<2
11-Dichloroethane (ug/L)	<2	<2
11-Dichloroethylene (ug/L)	<2	<2
123-Trichloropropane (ug/L)	<2	<2
1245-Tetrachlorobenzene (ug/l)	<20	<20
124-Trichlorobenzene (ug/L)	<10	<10
12-Dibromo-3-chloropropane (ug/L)	<0.01	<0.011
12-Dibromoethane (ug/L)	<0.01	<0.011
12-Dichlorobenzene (ug/L)	<10	<10
12-Dichloroethane (ug/L)	<2	<2
12-Dichloroethene [total] (ug/L)	<2	<2
12-Dichloropropane (ug/L)	<2	<2
13-Dichlorobenzene (ug/L)	<10	<10
14-Dichlorobenzene (ug/L)	<10	<10
14-Dioxane (ug/L)	<1000	<1000
14-Naphthoquinone (ug/l)	<50	<50
1-Naphthylamine (ug/l)	<10	<10
22`-oxybis[1-Chloropropane] (ug/l)	<10	<10
2346-Tetrachlorophenol (ug/l)	<10	<10
245-T (ug/l)	<0.48	<0.48
245-TP [Silvex] (ug/l)	<0.34	<0.34
245-Trichlorophenol (ug/l)	<10	<10
246-Trichlorophenol (ug/l)	<10	<10
24-D (ug/l)	<1.2	<1.2
24-Dichlorophenol (ug/l)	<10	<10
24-Dimethylphenol (ug/l)	<10	<10
24-Dinitrophenol (ug/l)	<50	<50
24-Dinitrotoluene (ug/l)	<10	<10
26-Dichlorophenol (ug/l)	<10	<10
26-Dinitrotoluene (ug/l)	<10	<10
2-Acetylaminofluorene (ug/l)	<20	<20
2-Butanone (ug/l)	<10	<10
2-Chloro-13-butadiene (ug/l)	<2	<2
2-Chloronaphthalene (ug/l)	<10	<10
2-Chlorophenol (ug/l)	<10	<10
2-Hexanone (ug/L)	<10	<10
2-Methylnaphthalene (ug/l)	<10	<10
2-Methylphenol (ug/l)	<10	<10
2-Naphthylamine (ug/l)	<10	<10
2-Nitroaniline (ug/l)	<50	<50
2-Nitrophenol (ug/l)	<10	<10
2-Picoline (ug/l)	<80	<80
2-Sec-butyl-46-dinitrophenol (ug/l)	<10	<10
3 & 4 Methylphenol (ug/l)	<20	<20
33`-Dimethylbenzidine (ug/l)	<50	<50
33-Dichlorobenzidine (ug/l)	<20	<20
3-Chloroprene (ug/l)	<2	<2

Channel Sand Monitoring Wells - Analytical Data Summary Table - July 13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 8/26/2021, 9:48 AM

	MP-281C	MP-406C
3-Methylcholanthrene (ug/l)	<10	<10
3-Nitroaniline (ug/l)	<50	<50
44`-DDD (ug/l)	<0.05	<0.05
44`-DDE (ug/l)	<0.05	<0.05
44-DDT (ug/l)	<0.05	<0.05
46-Dinitro-2-methylphenol (ug/l)	<50	<50
4-Aminobiphenyl (ug/l)	<10	<10
4-Bromophenyl phenyl ether (ug/l)	<10	<10
4-Chloro-3-Methylphenol (ug/l)	<10	<10
4-Chloroaniline (ug/l)	<10	<10
4-Chlorophenyl phenyl ether (ug/l)	<10	<10
4-Methyl-2-Pentanone (ug/l)	<10	<10
4-Nitroaniline (ug/l)	<50	<50
4-Nitrophenol (ug/l)	<50	<50
4-Nitroquinoline-1-oxide (ug/l)	<40	<40
5-Nitro-o-toluidine (ug/l)	<10	<10
712-Dimethylbenz[a]anthracene (ug/l)	<10	<10
a-BHC (ug/l)	<0.05	<0.05
Acenaphthene (ug/l)	<10	<10
Acenaphthylene (ug/l)	<10	<10
Acetone (ug/L)	<10	<10
Acetonitrile (ug/L)	<170	<170
Acetophenone (ug/l)	<10	<10
Acrolein (ug/L)	<20	<20
Acrylonitrile (ug/L)	<20	<20
Aldrin (ug/l)	<0.05	<0.05
Aniline (ug/l)	<10	<10
Anthracene (ug/l)	<10	<10
Antimony Dissolved (ug/l)	<1	<1
Aramite (ug/l)	<20	<20
Aroclor 1016 (ug/L)	<0.5	<0.5
Aroclor 1221 (ug/L)	<0.5	<0.5
Aroclor 1232 (ug/L)	<0.5	<0.5
Aroclor 1242 (ug/L)	<0.5	<0.5
Aroclor 1248 (ug/L)	<0.5	<0.5
Aroclor 1254 (ug/L)	<0.5	<0.5
Aroclor 1260 (ug/L)	<0.5	<0.5
Arsenic Dissolved (mg/L)	0.0044	0.0035
Barium Dissolved (mg/L)	0.054	0.15
b-BHC (ug/l)	<0.05	<0.05
Benzene (ug/L)	<2	<2
Benzo[a]anthracene (ug/l)	<10	<10
Benzo[a]pyrene (ug/l)	<0.18	<0.18
Benzo[b]fluoranthene (ug/l)	<10	<10
Benzo[ghi]perylene (ug/l)	<10	<10
Benzo[k]fluoranthene (ug/l)	<10	<10
Benzyl alcohol (ug/l)	<20	<20
Beryllium Dissolved (mg/l)	<0.002	<0.002
Bis[2-chloroethoxy]methane (ug/l)	<10	<10
Bis[2-chloroethyl]ether (ug/l)	<10	<10

Channel Sand Monitoring Wells - Analytical Data Summary Table - July 13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 8/26/2021, 9:48 AM

	MP-281C	MP-406C
Bis[2-ethylhexyl] phthalate (ug/l)	<5 (J)	<5
Bromoform (ug/L)	<2	<2
Bromomethane [Methyl bromide] (ug/l)	<2	<2
Butyl benzylphthalate [BBP] (ug/l)	<10	<10
Cadmium Dissolved (mg/L)	<0.001	<0.001
Carbon disulfide (ug/L)	<2	<2
Carbon tetrachloride (ug/L)	<2	<2
Chlordane (ug/l)	<0.5	<0.5
Chlorobenzene (ug/L)	<2	<2
Chlorobenzilate (ug/l)	<50	<50
Chloroethane (ug/L)	<2	<2
Chloroform (ug/L)	<2	<2
Chloromethane [Methyl chloride] (ug/l)	<2	<2
Chromium Dissolved (mg/L)	<0.005	<0.005
Chrysene (ug/l)	<10	<10
cis-13-Dichloropropylene (ug/L)	<2	<2
Cobalt Dissolved (mg/l)	<0.004	<0.004
Conductance Field (umhos/cm)	1293	1108
Copper Dissolved (mg/l)	<0.01	<0.01
Cyanide Total (mg/L)	<0.01	<0.01
d-BHC (ug/l)	<0.05	<0.05
Diallate (ug/l)	<10	<10
Dibenz[a,h]anthracene (ug/l)	<10	<10
Dibenzofuran (ug/l)	<10	<10
Dibromochloromethane (ug/L)	<2	<2
Dibromomethane (ug/L)	<2	<2
Dichlorobromomethane (ug/L)	<2	<2
Dichlorodifluoromethane (ug/L)	<2	<2
Dieldrin (ug/l)	<0.05	<0.05
Diethyl phthalate (ug/l)	<10	<10
Dimethoate (ug/l)	<10	<10
Dimethylaminoazobenzene (ug/l)	<50	<50
DIMETHYLPHTHALATE (ug/l)	<10	<10
Di-n-butylphthalate [DBP] (ug/l)	<10 (J)	<10 (J)
Di-n-octyl phthalate [DnOP] (ug/l)	<10	<10
Diphenylamine (ug/l)	<50	<50
Disulfoton (ug/l)	<0.47	<0.47
Endosulfan I (ug/l)	<0.05	<0.05
Endosulfan II (ug/l)	<0.05	<0.05
Endosulfan sulfate (ug/l)	<0.05	<0.05
Endrin (ug/l)	<0.05	<0.05
Endrin aldehyde (ug/l)	<0.05	<0.05
Ethyl methacrylate (ug/L)	<2	<2
Ethyl methanesulfonate (ug/l)	<10	<10
Ethylbenzene (ug/L)	<2	<2
Famphur (ug/l)	<0.47	<0.47
Fluoranthene (ug/l)	<10	<10
Fluorene (ug/l)	<10	<10
gamma-BHC [Lindane] (ug/l)	<0.05	<0.05
Heptachlor (ug/l)	<0.05	<0.05

Channel Sand Monitoring Wells - Analytical Data Summary Table - July 13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 8/26/2021, 9:48 AM

	MP-281C	MP-406C
Heptachlor epoxide (ug/l)	<0.05	<0.05
Hexachlorobenzene (ug/l)	<5	<5
Hexachlorobutadiene (ug/L)	<10	<10
Hexachlorocyclopentadiene (ug/l)	<5	<5
Hexachloroethane (ug/l)	<300	<300
Hexachlorophene (ug/l)	<310	<310
Hexachloropropene (ug/l)	<10	<10
Indeno[123-cd]pyrene (ug/l)	<10	<10
Iodomethane (ug/L)	<2	<2
Isobutyl alcohol (ug/L)	<1000	<1000
Isodrin (ug/l)	<10	<10
Isophorone (ug/l)	<10	<10
Isosafrole (ug/l)	<10	<10
Kepone (ug/l)	<52	<52
Lead Dissolved (mg/L)	<0.005	<0.005
m-Dinitrobenzene (ug/l)	<20	<20
Mercury Dissolved (mg/L)	<0.0002	<0.0002
Methacrylonitrile (ug/L)	<10	<10
Methapyrilene (ug/l)	<52	<52
Methoxychlor (ug/l)	<0.05	<0.05
Methyl methacrylate (ug/L)	<10	<10
Methyl methanesulfonate (ug/l)	<10	<10
Methyl parathion (ug/l)	<0.47	<0.47
Methylene chloride (ug/L)	<2	<2
Naphthalene (ug/L)	<10	<10
Nickel Dissolved (mg/l)	<0.01	<0.01
Nitrobenzene (ug/l)	<10	<10
N-Nitrosodiethylamine (ug/l)	<10	<10
N-Nitrosodimethylamine (ug/l)	<50	<50
N-Nitrosodi-n-butylamine (ug/l)	<10	<10
N-Nitrosodi-n-propylamine (ug/l)	<10	<10
N-Nitrosodiphenylamine (ug/l)	<10	<10
N-Nitrosomethylethylamine (ug/l)	<10	<10
N-Nitrosomorpholine (ug/l)	<10	<10
N-Nitrosopiperidine (ug/l)	<10	<10
N-Nitrosopyrrolidine (ug/l)	<10	<10
O-Toluidene (ug/l)	<20	<20
Oxygen, Dissolved (mg/l)	0.19	0.24
Parathion (ug/l)	<0.47	<0.47
Pentachlorobenzene (ug/l)	<10	<10
Pentachloroethane (ug/L)	<10	<10
Pentachloronitrobenzene (ug/l)	<10	<10
Pentachlorophenol (ug/l)	<1	<1
pH [Field] (su)	7.09	7.15
Phenacetin (ug/l)	<50	<50
Phenanthrene (ug/l)	<10	<10
Phenol (ug/l)	<10	<10
Phentermine (ug/l)	<100	<100
Phorate (ug/l)	<0.47	<0.47
p-Phenylene diamine (ug/l)	<800	<800

Channel Sand Monitoring Wells - Analytical Data Summary Table - July 13, 2021

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 8/26/2021, 9:48 AM

	MP-281C	MP-406C
Pronamide (ug/l)	<10	<10
Propionitrile (ug/L)	<50	<50
Pyrene (ug/l)	<10	<10
Pyridine (ug/l)	<50	<50
Redox (millivolts)	-63.9	-65
Safrole (ug/l)	<10	<10
Selenium Dissolved (mg/L)	<0.015	<0.015
Silver Dissolved (mg/L)	<0.003	<0.003
Styrene (ug/L)	<2	<2
Sulfide (mg/l)	<1	<1
Sulfotepp (ug/l)	<0.47	<0.47
sym-Trinitrobenzene (ug/l)	<50	<50
Temperature (Deg-C)	15.1	15
Tetrachloroethylene (ug/L)	<2	<2
Thallium Dissolved (ug/l)	<0.2	<0.2
Thionazin (ug/l)	<0.47	<0.47
Tin Dissolved (mg/l)	<0.01	<0.01
Toluene (ug/L)	<2	<2
Toxaphene (ug/l)	<0.5	<0.5
trans-13-Dichloropropylene (ug/L)	<2	<2
trans-14-Dichloro-2-butene (ug/L)	<5	<5
Trichloroethylene (ug/L)	<2	<2
Trichlorofluoromethane (ug/L)	<2	<2
Turbidity (NTU)	3.25	2.3
Vanadium Dissolved (mg/l)	<0.005	<0.005
Vinyl acetate (ug/L)	<10	<10
Vinyl chloride (ug/L)	<1	<1
Xylenes [Total] (ug/L)	<3	<3
Zinc Dissolved (mg/L)	<0.01	<0.01

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187277-1
Client Project/Site: Aber Rd. Landfill - App IX Sampling

For:
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Attn: Mr. Andrew Thompson

Authorized for release by:
7/30/2021 6:20:59 PM

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Brian Fischer
Manager of Project Management
7/30/2021 6:20:59 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 6
Client Sample Results 8
Surrogate Summary 56
QC Sample Results 60
QC Association 79
Chronicle 87
Certification Summary 93
Method Summary 95
Sample Summary 96
Chain of Custody 97
Receipt Checklists 102
Detection Limit Exceptions Summary 106
Field Data Sheets 107

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job ID: 480-187277-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-187277-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2021 10:00 AM and 7/15/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 2.4º C, 2.5º C, 2.6º C, 2.8º C, 2.9º C, 3.0º C, 3.1º C, 3.3º C, 3.6º C and 3.8º C.

GC/MS VOA
Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 589655. The following samples were affected : MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5), MP-244R (480-187288-6) and MP-241R (480-187288-7).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-590010 recovered outside control limits for the following analyte: Acetone. Acetone has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following sample is impacted: MP-281 (480-187288-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-590010 recovered above the upper control limit for Propionitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MP-281 (480-187288-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-590193 recovered above the upper control limit for Propionitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MP-279 (480-187277-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 480-589416 and analytical batch 480-589673 recovered outside control limits for the following analytes: 4-Bromophenyl phenyl ether. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-589673 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol and 4-Bromophenyl phenyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-279 (480-187277-1), MP-281 (480-187288-1), MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5), MP-244R (480-187288-6) and MP-241R (480-187288-7).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-589673 recovered outside acceptance criteria, low biased, for 4-Nitroquinoline-1-oxide and Kepone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8151A: The continuing calibration verification (CCV) associated with batch 480-589724 recovered above the upper control limit for 2,4,5-T, Silvex (2,4,5-TP) and 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-279 (480-187277-1), MP-281 (480-187288-1), MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5) and MP-244R (480-187288-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 480-187277-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Metals
Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. MP-279 (480-187277-1), MP-281 (480-187288-1), MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5), MP-244R (480-187288-6), MP-241R (480-187288-7), (LCS 480-589438/2-A), (MB 480-589438/1-A), (480-187288-M-1-C MS), (480-187288-M-1-D MSD), (480-187288-M-1-B PDS) and (480-187288-M-1-B SD ^5)

Method 6010C: The laboratory control sample (LCS) for preparation batch 480-589438 and analytical batch 480-589870 recovered outside control limits for the following analytes: Total Copper and Zinc. These analytes were biased high in the LCS and were not detected in the associated samples MP-279 (480-187277-1), MP-281 (480-187288-1), MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5), MP-244R (480-187288-6) and MP-241R (480-187288-7); therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-589512.

Method 3510C: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MP-279 (480-187277-1), MP-281 (480-187288-1), MP-281C (480-187288-2), MP-406C (480-187288-3), MP-409 (480-187288-4), MP-250 (480-187288-5), MP-244R (480-187288-6) and MP-241R (480-187288-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/23/21 15:50	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/23/21 15:50	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/23/21 15:50	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/23/21 15:50	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/23/21 15:50	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/23/21 15:50	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/23/21 15:50	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/23/21 15:50	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/23/21 15:50	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/23/21 15:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/21 15:50	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/23/21 15:50	1
2-Hexanone	ND		10	1.2	ug/L			07/23/21 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/23/21 15:50	1
Acetone	ND		10	3.0	ug/L			07/23/21 15:50	1
Acetonitrile	ND		170	4.9	ug/L			07/23/21 15:50	1
Acrolein	ND		20	0.91	ug/L			07/23/21 15:50	1
Acrylonitrile	ND		20	0.83	ug/L			07/23/21 15:50	1
Allyl chloride	ND		2.0	0.44	ug/L			07/23/21 15:50	1
Benzene	ND		2.0	0.41	ug/L			07/23/21 15:50	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/23/21 15:50	1
Bromoform	ND		2.0	0.26	ug/L			07/23/21 15:50	1
Bromomethane	ND		2.0	0.69	ug/L			07/23/21 15:50	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/23/21 15:50	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/23/21 15:50	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/23/21 15:50	1
Chloroethane	ND		2.0	0.32	ug/L			07/23/21 15:50	1
Chloroform	ND		2.0	0.34	ug/L			07/23/21 15:50	1
Chloromethane	ND		2.0	0.35	ug/L			07/23/21 15:50	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/23/21 15:50	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/23/21 15:50	1
Dibromomethane	ND		2.0	0.41	ug/L			07/23/21 15:50	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/23/21 15:50	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/23/21 15:50	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/23/21 15:50	1
Iodomethane	ND		2.0	0.30	ug/L			07/23/21 15:50	1
Isobutanol	ND		1000	4.8	ug/L			07/23/21 15:50	1
Methacrylonitrile	ND		10	0.69	ug/L			07/23/21 15:50	1
Methyl methacrylate	ND		10	0.61	ug/L			07/23/21 15:50	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/23/21 15:50	1
Propionitrile	ND		50	5.8	ug/L			07/23/21 15:50	1
Styrene	ND		2.0	0.73	ug/L			07/23/21 15:50	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/23/21 15:50	1
Toluene	ND		2.0	0.51	ug/L			07/23/21 15:50	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/23/21 15:50	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/23/21 15:50	1
Trichloroethene	ND		2.0	0.46	ug/L			07/23/21 15:50	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/23/21 15:50	1
Vinyl acetate	ND		10	0.85	ug/L			07/23/21 15:50	1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/21 15:50	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/23/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*86 - 118*		*07/23/21 15:50*	*1*
4-Bromofluorobenzene (Surr)	*103*		*86 - 115*		*07/23/21 15:50*	*1*
Toluene-d8 (Surr)	*96*		*88 - 110*		*07/23/21 15:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 19:13	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*122*		*24 - 146*	*07/19/21 15:23*	*07/20/21 19:13*	*1*
2-Fluorobiphenyl	*99*		*37 - 120*	*07/19/21 15:23*	*07/20/21 19:13*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 120*	*07/19/21 15:23*	*07/20/21 19:13*	*1*
Nitrobenzene-d5 (Surr)	*81*		*26 - 120*	*07/19/21 15:23*	*07/20/21 19:13*	*1*
Phenol-d5 (Surr)	*36*		*11 - 120*	*07/19/21 15:23*	*07/20/21 19:13*	*1*
p-Terphenyl-d14	*118*		*64 - 127*	*07/19/21 15:23*	*07/20/21 19:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 15:29	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 15:29	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:29	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:29	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 15:29	1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 15:29	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 15:29	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 15:29	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 15:29	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 15:29	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 15:29	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 15:29	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:29	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:29	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 15:29	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 15:29	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:29	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:29	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:29	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 15:29	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 15:29	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:29	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
Bis(2-ethylhexyl) phthalate	**7.0**		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 15:29	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 15:29	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 15:29	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 15:29	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 15:29	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:29	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 15:29	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:29	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:29	1
Di-n-butyl phthalate	**0.72**	**J B**	10	0.31	ug/L		07/16/21 15:04	07/20/21 15:29	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:29	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 15:29	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:29	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:29	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 15:29	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 15:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 15:29	1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 15:29	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 15:29	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:29	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 15:29	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 15:29	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 15:29	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:29	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 15:29	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:29	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 15:29	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 15:29	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:29	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:29	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 15:29	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:29	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 15:29	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:29	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*10 - 123*	*07/16/21 15:04*	*07/20/21 15:29*	*1*
2-Fluorobiphenyl	*92*		*43 - 116*	*07/16/21 15:04*	*07/20/21 15:29*	*1*
2-Fluorophenol	*62*		*21 - 120*	*07/16/21 15:04*	*07/20/21 15:29*	*1*
Nitrobenzene-d5	*79*		*35 - 114*	*07/16/21 15:04*	*07/20/21 15:29*	*1*
Phenol-d5	*46*		*13 - 120*	*07/16/21 15:04*	*07/20/21 15:29*	*1*
p-Terphenyl-d14	*66*		*33 - 141*	*07/16/21 15:04*	*07/20/21 15:29*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		07/21/21 15:06	07/21/21 20:27	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		07/21/21 15:06	07/21/21 20:27	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 18:12	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:12	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:12	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 18:12	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 18:12	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 18:12	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 18:12	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 18:12	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 18:12	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:12	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:12	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:12	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:12	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:12	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 18:12	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 18:12	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 18:12	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:12	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:12*	*1*
Tetrachloro-m-xylene	*81*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:02	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*07/21/21 09:15*	*07/21/21 23:02*	*1*
Tetrachloro-m-xylene	*91*		*39 - 121*	*07/21/21 09:15*	*07/21/21 23:02*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 15:18	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 15:18	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 15:18	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 15:18	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 15:18	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 15:18	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*91*		*59 - 148*	*07/21/21 12:00*	*07/22/21 15:18*	*1*
Triphenylphosphate	*92*		*59 - 148*	*07/21/21 12:00*	*07/22/21 15:18*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 15:25	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 15:25	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*40*		*21 - 141*	*07/19/21 08:51*	*07/20/21 15:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**1.1**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 15:33	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 15:33	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 15:33	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 15:33	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 15:33	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 15:33	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 15:33	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 15:33	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 15:33	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 15:33	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 15:33	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 15:33	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 15:33	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:24	1
Arsenic	**0.00082**	**J**	0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:24	1
Thallium	**0.026**	**J**	0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/20/21 13:29	07/20/21 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:24	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.93**				SU			07/13/21 13:19	1
Field Conductivity	**9294**				umhos/cm			07/13/21 13:19	1
Field Temperature	**16.8**				Degrees C			07/13/21 13:19	1
Field Turbidity	**5.75**				NTU			07/13/21 13:19	1
Oxidation Reduction Potential	**-58.2**				millivolts			07/13/21 13:19	1
Oxygen, Dissolved	**0.12**				mg/L			07/13/21 13:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/22/21 12:56	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/22/21 12:56	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/22/21 12:56	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/22/21 12:56	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/22/21 12:56	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/22/21 12:56	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/22/21 12:56	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/22/21 12:56	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/22/21 12:56	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/22/21 12:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/21 12:56	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/22/21 12:56	1
2-Hexanone	ND		10	1.2	ug/L			07/22/21 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/22/21 12:56	1
Acetone	ND	*+	10	3.0	ug/L			07/22/21 12:56	1
Acetonitrile	ND		170	4.9	ug/L			07/22/21 12:56	1
Acrolein	ND		20	0.91	ug/L			07/22/21 12:56	1
Acrylonitrile	ND		20	0.83	ug/L			07/22/21 12:56	1
Allyl chloride	ND		2.0	0.44	ug/L			07/22/21 12:56	1
Benzene	ND		2.0	0.41	ug/L			07/22/21 12:56	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/22/21 12:56	1
Bromoform	ND		2.0	0.26	ug/L			07/22/21 12:56	1
Bromomethane	ND		2.0	0.69	ug/L			07/22/21 12:56	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/22/21 12:56	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/22/21 12:56	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/22/21 12:56	1
Chloroethane	ND		2.0	0.32	ug/L			07/22/21 12:56	1
Chloroform	ND		2.0	0.34	ug/L			07/22/21 12:56	1
Chloromethane	ND		2.0	0.35	ug/L			07/22/21 12:56	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/22/21 12:56	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/22/21 12:56	1
Dibromomethane	ND		2.0	0.41	ug/L			07/22/21 12:56	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/22/21 12:56	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/22/21 12:56	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/22/21 12:56	1
Iodomethane	ND		2.0	0.30	ug/L			07/22/21 12:56	1
Isobutanol	ND		1000	4.8	ug/L			07/22/21 12:56	1
Methacrylonitrile	ND		10	0.69	ug/L			07/22/21 12:56	1
Methyl methacrylate	ND		10	0.61	ug/L			07/22/21 12:56	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/22/21 12:56	1
Propionitrile	ND		50	5.8	ug/L			07/22/21 12:56	1
Styrene	ND		2.0	0.73	ug/L			07/22/21 12:56	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/22/21 12:56	1
Toluene	ND		2.0	0.51	ug/L			07/22/21 12:56	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/22/21 12:56	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/22/21 12:56	1
Trichloroethene	ND		2.0	0.46	ug/L			07/22/21 12:56	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/22/21 12:56	1
Vinyl acetate	ND		10	0.85	ug/L			07/22/21 12:56	1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/21 12:56	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/22/21 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*86 - 118*		*07/22/21 12:56*	*1*
4-Bromofluorobenzene (Surr)	*108*		*86 - 115*		*07/22/21 12:56*	*1*
Toluene-d8 (Surr)	*90*		*88 - 110*		*07/22/21 12:56*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 19:39	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*24 - 146*	*07/19/21 15:23*	*07/20/21 19:39*	*1*
2-Fluorobiphenyl	*85*		*37 - 120*	*07/19/21 15:23*	*07/20/21 19:39*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 120*	*07/19/21 15:23*	*07/20/21 19:39*	*1*
Nitrobenzene-d5 (Surr)	*72*		*26 - 120*	*07/19/21 15:23*	*07/20/21 19:39*	*1*
Phenol-d5 (Surr)	*31*		*11 - 120*	*07/19/21 15:23*	*07/20/21 19:39*	*1*
p-Terphenyl-d14	*105*		*64 - 127*	*07/19/21 15:23*	*07/20/21 19:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 15:56	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 15:56	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:56	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:56	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 15:56	1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 15:56	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 15:56	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 15:56	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 15:56	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 15:56	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 15:56	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 15:56	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:56	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:56	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 15:56	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 15:56	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:56	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:56	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:56	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 15:56	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 15:56	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:56	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
Bis(2-ethylhexyl) phthalate	**5.0**		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 15:56	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 15:56	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 15:56	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 15:56	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 15:56	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:56	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 15:56	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:56	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:56	1
Di-n-butyl phthalate	**0.61**	**J B**	10	0.31	ug/L		07/16/21 15:04	07/20/21 15:56	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:56	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 15:56	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:56	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:56	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:56	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 15:56	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 15:56	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 15:56	1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 15:56	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 15:56	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:56	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 15:56	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 15:56	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 15:56	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:56	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 15:56	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:56	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 15:56	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 15:56	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:56	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:56	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 15:56	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:56	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 15:56	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:56	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*10 - 123*	*07/16/21 15:04*	*07/20/21 15:56*	*1*
2-Fluorobiphenyl	*94*		*43 - 116*	*07/16/21 15:04*	*07/20/21 15:56*	*1*
2-Fluorophenol	*64*		*21 - 120*	*07/16/21 15:04*	*07/20/21 15:56*	*1*
Nitrobenzene-d5	*78*		*35 - 114*	*07/16/21 15:04*	*07/20/21 15:56*	*1*
Phenol-d5	*47*		*13 - 120*	*07/16/21 15:04*	*07/20/21 15:56*	*1*
p-Terphenyl-d14	*84*		*33 - 141*	*07/16/21 15:04*	*07/20/21 15:56*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		07/20/21 17:38	07/20/21 20:39	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		07/20/21 17:38	07/20/21 20:39	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 18:32	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:32	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:32	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 18:32	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 18:32	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 18:32	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 18:32	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 18:32	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 18:32	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:32	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:32	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:32	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:32	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:32	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 18:32	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 18:32	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 18:32	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:32	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:32*	*1*
Tetrachloro-m-xylene	*78*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:32*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:15	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*19 - 120*	*07/21/21 09:15*	*07/21/21 23:15*	*1*
Tetrachloro-m-xylene	*103*		*39 - 121*	*07/21/21 09:15*	*07/21/21 23:15*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 15:50	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 15:50	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 15:50	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 15:50	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 15:50	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 15:50	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*86*		*59 - 148*	*07/21/21 12:00*	*07/22/21 15:50*	*1*
Triphenylphosphate	*88*		*59 - 148*	*07/21/21 12:00*	*07/22/21 15:50*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 15:55	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 15:55	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*51*		*21 - 141*	*07/19/21 08:51*	*07/20/21 15:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.27**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 15:37	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 15:37	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 15:37	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 15:37	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 15:37	1
Copper	ND	*+ F1	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 15:37	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 15:37	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 15:37	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 15:37	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 15:37	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 15:37	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 15:37	1
Zinc	ND	*+ F1	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 15:37	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.79**	**J**	1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:26	1
Arsenic	ND		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:26	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:25	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.22**				SU			07/13/21 11:34	1
Field Conductivity	**1661**				umhos/cm			07/13/21 11:34	1
Field Temperature	**15.2**				Degrees C			07/13/21 11:34	1
Field Turbidity	**4.45**				NTU			07/13/21 11:34	1
Oxidation Reduction Potential	**-89.2**				millivolts			07/13/21 11:34	1
Oxygen, Dissolved	**0.08**				mg/L			07/13/21 11:34	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 17:21	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 17:21	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 17:21	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 17:21	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 17:21	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 17:21	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 17:21	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 17:21	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 17:21	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 17:21	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 17:21	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 17:21	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 17:21	1
Acetone	ND		10	3.0	ug/L			07/20/21 17:21	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 17:21	1
Acrolein	ND		20	0.91	ug/L			07/20/21 17:21	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 17:21	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 17:21	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 17:21	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 17:21	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 17:21	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 17:21	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 17:21	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 17:21	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 17:21	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 17:21	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 17:21	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 17:21	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 17:21	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 17:21	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 17:21	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 17:21	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 17:21	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 17:21	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 17:21	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 17:21	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 17:21	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 17:21	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 17:21	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 17:21	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 17:21	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 17:21	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 17:21	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 17:21	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 17:21	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 17:21	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 17:21	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 17:21	1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 17:21	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*	*S1-*	*86 - 118*		*07/20/21 17:21*	*1*
4-Bromofluorobenzene (Surr)	*89*		*86 - 115*		*07/20/21 17:21*	*1*
Toluene-d8 (Surr)	*91*		*88 - 110*		*07/20/21 17:21*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 20:06	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 146*	*07/19/21 15:23*	*07/20/21 20:06*	*1*
2-Fluorobiphenyl	*59*		*37 - 120*	*07/19/21 15:23*	*07/20/21 20:06*	*1*
2-Fluorophenol (Surr)	*35*		*10 - 120*	*07/19/21 15:23*	*07/20/21 20:06*	*1*
Nitrobenzene-d5 (Surr)	*49*		*26 - 120*	*07/19/21 15:23*	*07/20/21 20:06*	*1*
Phenol-d5 (Surr)	*24*		*11 - 120*	*07/19/21 15:23*	*07/20/21 20:06*	*1*
p-Terphenyl-d14	*86*		*64 - 127*	*07/19/21 15:23*	*07/20/21 20:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 16:24	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 16:24	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:24	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:24	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 16:24	1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 16:24	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 16:24	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 16:24	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 16:24	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 16:24	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 16:24	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 16:24	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:24	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 16:24	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 16:24	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 16:24	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:24	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 16:24	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:24	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 16:24	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 16:24	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:24	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
Bis(2-ethylhexyl) phthalate	**2.3**	**J**	5.0	2.2	ug/L		07/16/21 15:04	07/20/21 16:24	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 16:24	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 16:24	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 16:24	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 16:24	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:24	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 16:24	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:24	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:24	1
Di-n-butyl phthalate	**0.50**	**J B**	10	0.31	ug/L		07/16/21 15:04	07/20/21 16:24	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:24	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 16:24	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 16:24	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:24	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:24	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 16:24	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 16:24	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 16:24	1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 16:24	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 16:24	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:24	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 16:24	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 16:24	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 16:24	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 16:24	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 16:24	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 16:24	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 16:24	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 16:24	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 16:24	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 16:24	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 16:24	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 16:24	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 16:24	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:24	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*10 - 123*	*07/16/21 15:04*	*07/20/21 16:24*	*1*
2-Fluorobiphenyl	*77*		*43 - 116*	*07/16/21 15:04*	*07/20/21 16:24*	*1*
2-Fluorophenol	*56*		*21 - 120*	*07/16/21 15:04*	*07/20/21 16:24*	*1*
Nitrobenzene-d5	*70*		*35 - 114*	*07/16/21 15:04*	*07/20/21 16:24*	*1*
Phenol-d5	*42*		*13 - 120*	*07/16/21 15:04*	*07/20/21 16:24*	*1*
p-Terphenyl-d14	*67*		*33 - 141*	*07/16/21 15:04*	*07/20/21 16:24*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		07/20/21 17:38	07/20/21 20:59	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		07/20/21 17:38	07/20/21 20:59	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 18:51	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:51	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:51	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 18:51	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 18:51	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 18:51	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 18:51	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 18:51	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 18:51	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 18:51	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 18:51	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:51	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:51	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 18:51	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 18:51	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 18:51	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 18:51	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 18:51	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:51*	*1*
Tetrachloro-m-xylene	*83*		*24 - 150*	*07/19/21 07:02*	*07/19/21 18:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:28	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*19 - 120*	*07/21/21 09:15*	*07/21/21 23:28*	*1*
Tetrachloro-m-xylene	*104*		*39 - 121*	*07/21/21 09:15*	*07/21/21 23:28*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 16:21	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 16:21	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 16:21	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 16:21	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 16:21	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 16:21	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*86*		*59 - 148*	*07/21/21 12:00*	*07/22/21 16:21*	*1*
Triphenylphosphate	*89*		*59 - 148*	*07/21/21 12:00*	*07/22/21 16:21*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 16:25	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 16:25	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*79*		*21 - 141*	*07/19/21 08:51*	*07/20/21 16:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.054**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 15:57	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 15:57	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 15:57	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 15:57	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 15:57	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 15:57	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 15:57	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 15:57	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 15:57	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 15:57	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 15:57	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 15:57	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 15:57	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:29	1
Arsenic	**0.0044**		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:29	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:27	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.09**				SU			07/13/21 10:19	1
Field Conductivity	**1293**				umhos/cm			07/13/21 10:19	1
Field Temperature	**15.1**				Degrees C			07/13/21 10:19	1
Field Turbidity	**3.25**				NTU			07/13/21 10:19	1
Oxidation Reduction Potential	**-63.9**				millivolts			07/13/21 10:19	1
Oxygen, Dissolved	**0.19**				mg/L			07/13/21 10:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-406C

Date Collected: 07/13/21 08:44
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 17:43	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 17:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 17:43	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 17:43	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 17:43	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 17:43	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 17:43	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 17:43	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 17:43	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 17:43	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 17:43	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 17:43	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 17:43	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 17:43	1
Acetone	ND		10	3.0	ug/L			07/20/21 17:43	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 17:43	1
Acrolein	ND		20	0.91	ug/L			07/20/21 17:43	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 17:43	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 17:43	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 17:43	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 17:43	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 17:43	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 17:43	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 17:43	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 17:43	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 17:43	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 17:43	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 17:43	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 17:43	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 17:43	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 17:43	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 17:43	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 17:43	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 17:43	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 17:43	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 17:43	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 17:43	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 17:43	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 17:43	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 17:43	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 17:43	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 17:43	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 17:43	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 17:43	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 17:43	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 17:43	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 17:43	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 17:43	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 17:43	1

Client Sample ID: MP-406C

Date Collected: 07/13/21 08:44
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 17:43	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*	*S1-*	*86 - 118*		*07/20/21 17:43*	*1*
4-Bromofluorobenzene (Surr)	*86*		*86 - 115*		*07/20/21 17:43*	*1*
Toluene-d8 (Surr)	*88*		*88 - 110*		*07/20/21 17:43*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 20:32	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 146*	*07/19/21 15:23*	*07/20/21 20:32*	*1*
2-Fluorobiphenyl	*76*		*37 - 120*	*07/19/21 15:23*	*07/20/21 20:32*	*1*
2-Fluorophenol (Surr)	*39*		*10 - 120*	*07/19/21 15:23*	*07/20/21 20:32*	*1*
Nitrobenzene-d5 (Surr)	*64*		*26 - 120*	*07/19/21 15:23*	*07/20/21 20:32*	*1*
Phenol-d5 (Surr)	*26*		*11 - 120*	*07/19/21 15:23*	*07/20/21 20:32*	*1*
p-Terphenyl-d14	*95*		*64 - 127*	*07/19/21 15:23*	*07/20/21 20:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 16:51	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 16:51	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:51	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 16:51	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 16:51	1

Client Sample ID: MP-406C

Lab Sample ID: 480-187288-3

Date Collected: 07/13/21 08:44

Matrix: Water

Date Received: 07/14/21 10:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 16:51	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 16:51	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 16:51	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 16:51	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 16:51	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 16:51	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 16:51	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:51	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 16:51	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 16:51	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 16:51	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:51	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 16:51	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:51	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 16:51	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 16:51	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 16:51	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 16:51	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 16:51	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 16:51	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 16:51	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 16:51	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:51	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 16:51	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:51	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:51	1
Di-n-butyl phthalate	**0.31**	**J B**	10	0.31	ug/L		07/16/21 15:04	07/20/21 16:51	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:51	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 16:51	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 16:51	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 16:51	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:51	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 16:51	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 16:51	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 16:51	1

Client Sample ID: MP-406C

Date Collected: 07/13/21 08:44
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 16:51	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 16:51	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:51	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 16:51	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 16:51	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 16:51	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 16:51	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 16:51	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 16:51	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 16:51	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 16:51	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 16:51	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 16:51	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 16:51	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 16:51	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 16:51	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 16:51	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*10 - 123*	*07/16/21 15:04*	*07/20/21 16:51*	*1*
2-Fluorobiphenyl	*94*		*43 - 116*	*07/16/21 15:04*	*07/20/21 16:51*	*1*
2-Fluorophenol	*65*		*21 - 120*	*07/16/21 15:04*	*07/20/21 16:51*	*1*
Nitrobenzene-d5	*83*		*35 - 114*	*07/16/21 15:04*	*07/20/21 16:51*	*1*
Phenol-d5	*48*		*13 - 120*	*07/16/21 15:04*	*07/20/21 16:51*	*1*
p-Terphenyl-d14	*78*		*33 - 141*	*07/16/21 15:04*	*07/20/21 16:51*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		07/20/21 17:38	07/20/21 21:19	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		07/20/21 17:38	07/20/21 21:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-406C

Date Collected: 07/13/21 08:44
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-3

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 19:11	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:11	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:11	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 19:11	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 19:11	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 19:11	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 19:11	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 19:11	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 19:11	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:11	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:11	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:11	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:11	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:11	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 19:11	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 19:11	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 19:11	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:11	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:11*	*1*
Tetrachloro-m-xylene	*73*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:41	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*07/21/21 09:15*	*07/21/21 23:41*	*1*
Tetrachloro-m-xylene	*96*		*39 - 121*	*07/21/21 09:15*	*07/21/21 23:41*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 18:26	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 18:26	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 18:26	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 18:26	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 18:26	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 18:26	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*91*		*59 - 148*	*07/21/21 12:00*	*07/22/21 18:26*	*1*
Triphenylphosphate	*91*		*59 - 148*	*07/21/21 12:00*	*07/22/21 18:26*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-406C

Date Collected: 07/13/21 08:44
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-3

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 16:55	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 16:55	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*48*		*21 - 141*	*07/19/21 08:51*	*07/20/21 16:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.15**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 16:12	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 16:12	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 16:12	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 16:12	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 16:12	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 16:12	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 16:12	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 16:12	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 16:12	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 16:12	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 16:12	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 16:12	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 16:12	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:49	1
Arsenic	**0.0035**		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:49	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:28	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.15**				SU			07/13/21 08:44	1
Field Conductivity	**1108**				umhos/cm			07/13/21 08:44	1
Field Temperature	**15.0**				Degrees C			07/13/21 08:44	1
Field Turbidity	**2.30**				NTU			07/13/21 08:44	1
Oxidation Reduction Potential	**-65.0**				millivolts			07/13/21 08:44	1
Oxygen, Dissolved	**0.24**				mg/L			07/13/21 08:44	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 18:06	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 18:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 18:06	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 18:06	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 18:06	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 18:06	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 18:06	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 18:06	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 18:06	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 18:06	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 18:06	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 18:06	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 18:06	1
Acetone	ND		10	3.0	ug/L			07/20/21 18:06	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 18:06	1
Acrolein	ND		20	0.91	ug/L			07/20/21 18:06	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 18:06	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 18:06	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 18:06	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 18:06	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 18:06	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 18:06	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 18:06	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 18:06	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 18:06	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 18:06	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 18:06	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 18:06	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 18:06	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 18:06	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 18:06	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 18:06	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 18:06	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 18:06	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 18:06	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 18:06	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 18:06	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 18:06	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 18:06	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 18:06	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 18:06	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 18:06	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 18:06	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 18:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 18:06	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 18:06	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 18:06	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 18:06	1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 18:06	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*	*S1-*	*86 - 118*		*07/20/21 18:06*	*1*
4-Bromofluorobenzene (Surr)	*86*		*86 - 115*		*07/20/21 18:06*	*1*
Toluene-d8 (Surr)	*89*		*88 - 110*		*07/20/21 18:06*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 20:59	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*24 - 146*	*07/19/21 15:23*	*07/20/21 20:59*	*1*
2-Fluorobiphenyl	*95*		*37 - 120*	*07/19/21 15:23*	*07/20/21 20:59*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*07/19/21 15:23*	*07/20/21 20:59*	*1*
Nitrobenzene-d5 (Surr)	*82*		*26 - 120*	*07/19/21 15:23*	*07/20/21 20:59*	*1*
Phenol-d5 (Surr)	*34*		*11 - 120*	*07/19/21 15:23*	*07/20/21 20:59*	*1*
p-Terphenyl-d14	*109*		*64 - 127*	*07/19/21 15:23*	*07/20/21 20:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 17:19	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 17:19	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:19	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:19	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 17:19	1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 17:19	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 17:19	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 17:19	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 17:19	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 17:19	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 17:19	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 17:19	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:19	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 17:19	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 17:19	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 17:19	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:19	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 17:19	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:19	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 17:19	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 17:19	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:19	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 17:19	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 17:19	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 17:19	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 17:19	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 17:19	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:19	1
Diethyl phthalate	**0.22**	**J**	10	0.22	ug/L		07/16/21 15:04	07/20/21 17:19	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:19	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:19	1
Di-n-butyl phthalate	ND		10	0.31	ug/L		07/16/21 15:04	07/20/21 17:19	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:19	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 17:19	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 17:19	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:19	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 17:19	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 17:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 17:19	1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 17:19	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 17:19	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:19	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 17:19	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 17:19	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 17:19	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 17:19	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 17:19	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 17:19	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 17:19	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 17:19	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 17:19	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 17:19	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 17:19	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 17:19	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 17:19	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:19	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*10 - 123*	*07/16/21 15:04*	*07/20/21 17:19*	*1*
2-Fluorobiphenyl	*95*		*43 - 116*	*07/16/21 15:04*	*07/20/21 17:19*	*1*
2-Fluorophenol	*70*		*21 - 120*	*07/16/21 15:04*	*07/20/21 17:19*	*1*
Nitrobenzene-d5	*84*		*35 - 114*	*07/16/21 15:04*	*07/20/21 17:19*	*1*
Phenol-d5	*49*		*13 - 120*	*07/16/21 15:04*	*07/20/21 17:19*	*1*
p-Terphenyl-d14	*77*		*33 - 141*	*07/16/21 15:04*	*07/20/21 17:19*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		07/20/21 17:38	07/20/21 21:39	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		07/20/21 17:38	07/20/21 21:39	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 19:31	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:31	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:31	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 19:31	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 19:31	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 19:31	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 19:31	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 19:31	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 19:31	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:31	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:31	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:31	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:31	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:31	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 19:31	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 19:31	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 19:31	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:31	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:31*	*1*
Tetrachloro-m-xylene	*91*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:53	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*07/21/21 09:15*	*07/21/21 23:53*	*1*
Tetrachloro-m-xylene	*100*		*39 - 121*	*07/21/21 09:15*	*07/21/21 23:53*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 13:13	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 13:13	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 13:13	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 13:13	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 13:13	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 13:13	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*88*		*59 - 148*	*07/21/21 12:00*	*07/22/21 13:13*	*1*
Triphenylphosphate	*88*		*59 - 148*	*07/21/21 12:00*	*07/22/21 13:13*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-409

Date Collected: 07/12/21 17:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-4

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 17:25	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 17:25	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*44*		*21 - 141*	*07/19/21 08:51*	*07/20/21 17:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.12**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 16:16	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 16:16	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 16:16	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 16:16	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 16:16	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 16:16	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 16:16	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 16:16	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 16:16	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 16:16	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 16:16	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 16:16	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 16:16	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:52	1
Arsenic	**0.0016**		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:52	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:29	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.26**				SU			07/12/21 17:53	1
Field Conductivity	**934**				umhos/cm			07/12/21 17:53	1
Field Temperature	**15.9**				Degrees C			07/12/21 17:53	1
Field Turbidity	**7.96**				NTU			07/12/21 17:53	1
Oxidation Reduction Potential	**-42.0**				millivolts			07/12/21 17:53	1
Oxygen, Dissolved	**0.22**				mg/L			07/12/21 17:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 18:28	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 18:28	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 18:28	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 18:28	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 18:28	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 18:28	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 18:28	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 18:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 18:28	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 18:28	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 18:28	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 18:28	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 18:28	1
Acetone	ND		10	3.0	ug/L			07/20/21 18:28	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 18:28	1
Acrolein	ND		20	0.91	ug/L			07/20/21 18:28	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 18:28	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 18:28	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 18:28	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 18:28	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 18:28	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 18:28	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 18:28	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 18:28	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 18:28	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 18:28	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 18:28	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 18:28	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 18:28	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 18:28	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 18:28	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 18:28	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 18:28	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 18:28	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 18:28	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 18:28	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 18:28	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 18:28	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 18:28	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 18:28	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 18:28	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 18:28	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 18:28	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 18:28	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 18:28	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 18:28	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 18:28	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 18:28	1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 18:28	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*	*S1-*	*86 - 118*		*07/20/21 18:28*	*1*
4-Bromofluorobenzene (Surr)	*88*		*86 - 115*		*07/20/21 18:28*	*1*
Toluene-d8 (Surr)	*91*		*88 - 110*		*07/20/21 18:28*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 21:25	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*24 - 146*	*07/19/21 15:23*	*07/20/21 21:25*	*1*
2-Fluorobiphenyl	*99*		*37 - 120*	*07/19/21 15:23*	*07/20/21 21:25*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 120*	*07/19/21 15:23*	*07/20/21 21:25*	*1*
Nitrobenzene-d5 (Surr)	*87*		*26 - 120*	*07/19/21 15:23*	*07/20/21 21:25*	*1*
Phenol-d5 (Surr)	*36*		*11 - 120*	*07/19/21 15:23*	*07/20/21 21:25*	*1*
p-Terphenyl-d14	*116*		*64 - 127*	*07/19/21 15:23*	*07/20/21 21:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 17:46	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 17:46	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:46	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 17:46	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 17:46	1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 17:46	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 17:46	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 17:46	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 17:46	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 17:46	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 17:46	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 17:46	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:46	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 17:46	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 17:46	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 17:46	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:46	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 17:46	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:46	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 17:46	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 17:46	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 17:46	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 17:46	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 17:46	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 17:46	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 17:46	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 17:46	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:46	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 17:46	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:46	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:46	1
Di-n-butyl phthalate	ND		10	0.31	ug/L		07/16/21 15:04	07/20/21 17:46	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:46	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 17:46	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 17:46	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 17:46	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:46	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 17:46	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 17:46	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 17:46	1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 17:46	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 17:46	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:46	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 17:46	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 17:46	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 17:46	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 17:46	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 17:46	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 17:46	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 17:46	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 17:46	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 17:46	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 17:46	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 17:46	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 17:46	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 17:46	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 17:46	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*10 - 123*	*07/16/21 15:04*	*07/20/21 17:46*	*1*
2-Fluorobiphenyl	*96*		*43 - 116*	*07/16/21 15:04*	*07/20/21 17:46*	*1*
2-Fluorophenol	*65*		*21 - 120*	*07/16/21 15:04*	*07/20/21 17:46*	*1*
Nitrobenzene-d5	*81*		*35 - 114*	*07/16/21 15:04*	*07/20/21 17:46*	*1*
Phenol-d5	*48*		*13 - 120*	*07/16/21 15:04*	*07/20/21 17:46*	*1*
p-Terphenyl-d14	*84*		*33 - 141*	*07/16/21 15:04*	*07/20/21 17:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		07/20/21 17:38	07/20/21 21:59	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		07/20/21 17:38	07/20/21 21:59	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 19:50	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:50	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:50	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 19:50	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 19:50	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 19:50	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 19:50	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 19:50	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 19:50	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 19:50	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 19:50	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:50	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:50	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 19:50	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 19:50	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 19:50	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 19:50	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 19:50	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:50*	*1*
Tetrachloro-m-xylene	*75*		*24 - 150*	*07/19/21 07:02*	*07/19/21 19:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 15:44	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*19 - 120*	*07/21/21 09:15*	*07/22/21 15:44*	*1*
Tetrachloro-m-xylene	*62*		*39 - 121*	*07/21/21 09:15*	*07/22/21 15:44*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 13:44	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 13:44	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 13:44	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 13:44	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 13:44	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 13:44	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*91*		*59 - 148*	*07/21/21 12:00*	*07/22/21 13:44*	*1*
Triphenylphosphate	*91*		*59 - 148*	*07/21/21 12:00*	*07/22/21 13:44*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-250

Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-5

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 17:54	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 17:54	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*21 - 141*	*07/19/21 08:51*	*07/20/21 17:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.048**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 16:20	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 16:20	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 16:20	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 16:20	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 16:20	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 16:20	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 16:20	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 16:20	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 16:20	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 16:20	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 16:20	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 16:20	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 16:20	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:54	1
Arsenic	**0.0013**		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:54	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:31	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.23**				SU			07/12/21 15:51	1
Field Conductivity	**1019**				umhos/cm			07/12/21 15:51	1
Field Temperature	**15.8**				Degrees C			07/12/21 15:51	1
Field Turbidity	**2.10**				NTU			07/12/21 15:51	1
Oxidation Reduction Potential	**-52.9**				millivolts			07/12/21 15:51	1
Oxygen, Dissolved	**0.15**				mg/L			07/12/21 15:51	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 18:50	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 18:50	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 18:50	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 18:50	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 18:50	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 18:50	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 18:50	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 18:50	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 18:50	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 18:50	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 18:50	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 18:50	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 18:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 18:50	1
Acetone	ND		10	3.0	ug/L			07/20/21 18:50	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 18:50	1
Acrolein	ND		20	0.91	ug/L			07/20/21 18:50	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 18:50	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 18:50	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 18:50	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 18:50	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 18:50	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 18:50	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 18:50	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 18:50	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 18:50	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 18:50	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 18:50	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 18:50	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 18:50	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 18:50	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 18:50	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 18:50	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 18:50	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 18:50	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 18:50	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 18:50	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 18:50	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 18:50	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 18:50	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 18:50	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 18:50	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 18:50	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 18:50	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 18:50	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 18:50	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 18:50	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 18:50	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 18:50	1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 18:50	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*	*S1-*	*86 - 118*		*07/20/21 18:50*	*1*
4-Bromofluorobenzene (Surr)	*87*		*86 - 115*		*07/20/21 18:50*	*1*
Toluene-d8 (Surr)	*91*		*88 - 110*		*07/20/21 18:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 21:51	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*24 - 146*	*07/19/21 15:23*	*07/20/21 21:51*	*1*
2-Fluorobiphenyl	*98*		*37 - 120*	*07/19/21 15:23*	*07/20/21 21:51*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 120*	*07/19/21 15:23*	*07/20/21 21:51*	*1*
Nitrobenzene-d5 (Surr)	*83*		*26 - 120*	*07/19/21 15:23*	*07/20/21 21:51*	*1*
Phenol-d5 (Surr)	*36*		*11 - 120*	*07/19/21 15:23*	*07/20/21 21:51*	*1*
p-Terphenyl-d14	*108*		*64 - 127*	*07/19/21 15:23*	*07/20/21 21:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 18:14	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 18:14	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:14	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:14	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 18:14	1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 18:14	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 18:14	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 18:14	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 18:14	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 18:14	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 18:14	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 18:14	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:14	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 18:14	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 18:14	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 18:14	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:14	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 18:14	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:14	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 18:14	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 18:14	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:14	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
Bis(2-ethylhexyl) phthalate	**8.1**		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 18:14	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 18:14	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 18:14	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 18:14	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 18:14	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:14	1
Diethyl phthalate	**0.31**	**J**	10	0.22	ug/L		07/16/21 15:04	07/20/21 18:14	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:14	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:14	1
Di-n-butyl phthalate	ND		10	0.31	ug/L		07/16/21 15:04	07/20/21 18:14	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:14	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 18:14	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 18:14	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:14	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:14	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 18:14	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 18:14	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 18:14	1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 18:14	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 18:14	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:14	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 18:14	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 18:14	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 18:14	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 18:14	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 18:14	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 18:14	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 18:14	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 18:14	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 18:14	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 18:14	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 18:14	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 18:14	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 18:14	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:14	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*10 - 123*	*07/16/21 15:04*	*07/20/21 18:14*	*1*
2-Fluorobiphenyl	*98*		*43 - 116*	*07/16/21 15:04*	*07/20/21 18:14*	*1*
2-Fluorophenol	*65*		*21 - 120*	*07/16/21 15:04*	*07/20/21 18:14*	*1*
Nitrobenzene-d5	*88*		*35 - 114*	*07/16/21 15:04*	*07/20/21 18:14*	*1*
Phenol-d5	*46*		*13 - 120*	*07/16/21 15:04*	*07/20/21 18:14*	*1*
p-Terphenyl-d14	*92*		*33 - 141*	*07/16/21 15:04*	*07/20/21 18:14*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		07/20/21 17:38	07/20/21 22:18	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		07/20/21 17:38	07/20/21 22:18	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 20:10	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 20:10	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 20:10	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 20:10	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 20:10	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 20:10	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 20:10	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 20:10	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 20:10	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 20:10	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 20:10	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 20:10	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 20:10	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 20:10	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 20:10	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 20:10	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 20:10	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 20:10	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*24 - 150*	*07/19/21 07:02*	*07/19/21 20:10*	*1*
Tetrachloro-m-xylene	*93*		*24 - 150*	*07/19/21 07:02*	*07/19/21 20:10*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 15:56	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*19 - 120*	*07/21/21 09:15*	*07/22/21 15:56*	*1*
Tetrachloro-m-xylene	*75*		*39 - 121*	*07/21/21 09:15*	*07/22/21 15:56*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 14:16	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 14:16	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 14:16	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 14:16	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 14:16	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 14:16	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*83*		*59 - 148*	*07/21/21 12:00*	*07/22/21 14:16*	*1*
Triphenylphosphate	*85*		*59 - 148*	*07/21/21 12:00*	*07/22/21 14:16*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-244R

Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-6

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 18:24	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 18:24	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*21 - 141*	*07/19/21 08:51*	*07/20/21 18:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.018**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 16:24	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 16:24	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 16:24	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 16:24	1
Cobalt	**0.00070**	**J**	0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 16:24	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 16:24	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 16:24	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 16:24	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 16:24	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 16:24	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 16:24	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 16:24	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 16:24	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:57	1
Arsenic	**0.00031**	**J**	0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:57	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 18:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:32	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.53**				SU			07/12/21 13:53	1
Field Conductivity	**1539**				umhos/cm			07/12/21 13:53	1
Field Temperature	**16.5**				Degrees C			07/12/21 13:53	1
Field Turbidity	**2.83**				NTU			07/12/21 13:53	1
Oxidation Reduction Potential	**-63.9**				millivolts			07/12/21 13:53	1
Oxygen, Dissolved	**0.32**				mg/L			07/12/21 13:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 19:13	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 19:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 19:13	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 19:13	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 19:13	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 19:13	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 19:13	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 19:13	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 19:13	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 19:13	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/20/21 19:13	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 19:13	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 19:13	1
Acetone	ND		10	3.0	ug/L			07/20/21 19:13	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 19:13	1
Acrolein	ND		20	0.91	ug/L			07/20/21 19:13	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 19:13	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 19:13	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 19:13	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 19:13	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 19:13	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 19:13	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 19:13	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 19:13	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 19:13	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 19:13	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 19:13	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 19:13	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 19:13	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 19:13	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 19:13	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 19:13	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 19:13	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 19:13	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 19:13	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 19:13	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 19:13	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 19:13	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 19:13	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 19:13	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 19:13	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 19:13	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 19:13	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 19:13	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 19:13	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 19:13	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 19:13	1
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 19:13	1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 19:13	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*	*S1-*	*86 - 118*		*07/20/21 19:13*	*1*
4-Bromofluorobenzene (Surr)	*91*		*86 - 115*		*07/20/21 19:13*	*1*
Toluene-d8 (Surr)	*89*		*88 - 110*		*07/20/21 19:13*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 22:17	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*111*		*24 - 146*	*07/19/21 15:23*	*07/20/21 22:17*	*1*
2-Fluorobiphenyl	*99*		*37 - 120*	*07/19/21 15:23*	*07/20/21 22:17*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 120*	*07/19/21 15:23*	*07/20/21 22:17*	*1*
Nitrobenzene-d5 (Surr)	*85*		*26 - 120*	*07/19/21 15:23*	*07/20/21 22:17*	*1*
Phenol-d5 (Surr)	*35*		*11 - 120*	*07/19/21 15:23*	*07/20/21 22:17*	*1*
p-Terphenyl-d14	*113*		*64 - 127*	*07/19/21 15:23*	*07/20/21 22:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,2,4-Trichlorobenzene	**0.85**	**J**	10	0.44	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 18:41	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 18:41	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:41	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 18:41	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 18:41	1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 18:41	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 18:41	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 18:41	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Bromophenyl phenyl ether	ND	*+	10	0.45	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 18:41	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 18:41	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 18:41	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 18:41	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:41	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 18:41	1
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 18:41	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 18:41	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:41	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 18:41	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:41	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 18:41	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 18:41	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 18:41	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
Bis(2-ethylhexyl) phthalate	**6.2**		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 18:41	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 18:41	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 18:41	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 18:41	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 18:41	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:41	1
Diethyl phthalate	**0.56**	**J**	10	0.22	ug/L		07/16/21 15:04	07/20/21 18:41	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:41	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:41	1
Di-n-butyl phthalate	**0.36**	**J B**	10	0.31	ug/L		07/16/21 15:04	07/20/21 18:41	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:41	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 18:41	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 18:41	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 18:41	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:41	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 18:41	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 18:41	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 18:41	1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 18:41	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 18:41	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:41	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 18:41	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 18:41	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 18:41	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 18:41	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 18:41	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 18:41	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 18:41	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 18:41	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 18:41	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 18:41	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 18:41	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 18:41	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 18:41	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 18:41	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*10 - 123*	*07/16/21 15:04*	*07/20/21 18:41*	*1*
2-Fluorobiphenyl	*94*		*43 - 116*	*07/16/21 15:04*	*07/20/21 18:41*	*1*
2-Fluorophenol	*66*		*21 - 120*	*07/16/21 15:04*	*07/20/21 18:41*	*1*
Nitrobenzene-d5	*79*		*35 - 114*	*07/16/21 15:04*	*07/20/21 18:41*	*1*
Phenol-d5	*47*		*13 - 120*	*07/16/21 15:04*	*07/20/21 18:41*	*1*
p-Terphenyl-d14	*82*		*33 - 141*	*07/16/21 15:04*	*07/20/21 18:41*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		07/20/21 17:38	07/20/21 22:58	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		07/20/21 17:38	07/20/21 22:58	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 20:29	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 20:29	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 20:29	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 20:29	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 20:29	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 20:29	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 20:29	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 20:29	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 20:29	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 20:29	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 20:29	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 20:29	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 20:29	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 20:29	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 20:29	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 20:29	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 20:29	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 20:29	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*24 - 150*	*07/19/21 07:02*	*07/19/21 20:29*	*1*
Tetrachloro-m-xylene	*116*		*24 - 150*	*07/19/21 07:02*	*07/19/21 20:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 16:09	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/22/21 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 120*	*07/21/21 09:15*	*07/22/21 16:09*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*07/21/21 09:15*	*07/22/21 16:09*	*1*

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND	H	0.47	0.22	ug/L		07/21/21 12:00	07/22/21 14:47	1
Famphur	ND	H	0.47	0.43	ug/L		07/21/21 12:00	07/22/21 14:47	1
Methyl parathion	ND	H	0.47	0.16	ug/L		07/21/21 12:00	07/22/21 14:47	1
Parathion	ND	H	0.47	0.38	ug/L		07/21/21 12:00	07/22/21 14:47	1
Phorate	ND	H	0.47	0.17	ug/L		07/21/21 12:00	07/22/21 14:47	1
Sulfotepp	ND	H	0.47	0.14	ug/L		07/21/21 12:00	07/22/21 14:47	1
Thionazin	ND	H	0.47	0.35	ug/L		07/21/21 12:00	07/22/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*92*		*59 - 148*	*07/21/21 12:00*	*07/22/21 14:47*	*1*
Triphenylphosphate	*93*		*59 - 148*	*07/21/21 12:00*	*07/22/21 14:47*	*1*

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-241R

Date Collected: 07/12/21 11:51
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-7

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.48	0.065	ug/L		07/19/21 08:51	07/20/21 19:24	1
Silvex (2,4,5-TP)	ND		0.34	0.048	ug/L		07/19/21 08:51	07/20/21 19:24	1
2,4-D	ND		1.2	0.16	ug/L		07/19/21 08:51	07/20/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*81*		*21 - 141*	*07/19/21 08:51*	*07/20/21 19:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.044**	**^6+**	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 16:28	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 16:28	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 16:28	1
Chromium	**0.0017**	**J**	0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 16:28	1
Cobalt	**0.0019**	**J**	0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 16:28	1
Copper	ND	*+	0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 16:28	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 16:28	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 16:28	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 16:28	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 16:28	1
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 16:28	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 16:28	1
Zinc	ND	*+	0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 16:28	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 22:59	1
Arsenic	**0.0012**		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 22:59	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/23/21 15:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/20/21 13:29	07/20/21 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:37	1
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.68**				SU			07/12/21 11:51	1
Field Conductivity	**924**				umhos/cm			07/12/21 11:51	1
Field Temperature	**18.0**				Degrees C			07/12/21 11:51	1
Field Turbidity	**6.61**				NTU			07/12/21 11:51	1
Oxidation Reduction Potential	**30.4**				millivolts			07/12/21 11:51	1
Oxygen, Dissolved	**0.24**				mg/L			07/12/21 11:51	1

Surrogate Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(86-118)	(86-115)	(88-110)
480-187277-1	MP-279	106	103	96
480-187288-1	MP-281	89	108	90
480-187288-2	MP-281C	84 S1-	89	91
480-187288-3	MP-406C	82 S1-	86	88
480-187288-4	MP-409	82 S1-	86	89
480-187288-5	MP-250	81 S1-	88	91
480-187288-6	MP-244R	85 S1-	87	91
480-187288-7	MP-241R	85 S1-	91	89
LCS 480-589655/5	Lab Control Sample	89	91	90
LCS 480-590010/5	Lab Control Sample	95	112	91
LCS 480-590193/7	Lab Control Sample	101	104	94
LCSD 480-589655/6	Lab Control Sample Dup	83 S1-	88	88
MB 480-589655/8	Method Blank	86	86	88
MB 480-590010/7	Method Blank	94	113	93
MB 480-590193/10	Method Blank	104	102	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(10-123)	(43-116)	(21-120)	(35-114)	(13-120)	(33-141)
480-187277-1	MP-279	87	92	62	79	46	66
480-187288-1	MP-281	105	94	64	78	47	84
480-187288-2	MP-281C	75	77	56	70	42	67
480-187288-3	MP-406C	96	94	65	83	48	78
480-187288-4	MP-409	101	95	70	84	49	77
480-187288-5	MP-250	90	96	65	81	48	84
480-187288-6	MP-244R	89	98	65	88	46	92
480-187288-7	MP-241R	92	94	66	79	47	82
LCS 480-589416/2-A	Lab Control Sample	117	102	76	96	60	107
MB 480-589416/1-A	Method Blank	85	92	66	79	50	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Surrogate Summary

Client: Republic Services Inc
Job ID: 480-187277-1
Project/Site: Aber Rd. Landfill - App IX Sampling

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (24-146)	FBP (37-120)	2FP (10-120)	NBZ (26-120)	PHL (11-120)	TPHd14 (64-127)
480-187277-1	MP-279	122	99	53	81	36	118
480-187288-1	MP-281	101	85	45	72	31	105
480-187288-2	MP-281C	70	59	35	49	24	86
480-187288-3	MP-406C	90	76	39	64	26	95
480-187288-4	MP-409	112	95	51	82	34	109
480-187288-5	MP-250	107	99	53	87	36	116
480-187288-6	MP-244R	112	98	52	83	36	108
480-187288-7	MP-241R	111	99	52	85	35	113
LCS 480-589605/2-A	Lab Control Sample	112	89	55	83	39	107
LCSD 480-589605/3-A	Lab Control Sample Dup	109	84	48	80	35	100
MB 480-589605/1-A	Method Blank	99	93	48	76	35	121

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (24-150)	TCX1 (24-150)
480-187277-1	MP-279	56	81
480-187288-1	MP-281	70	78
480-187288-2	MP-281C	75	83
480-187288-3	MP-406C	53	73
480-187288-4	MP-409	72	91
480-187288-5	MP-250	68	75
480-187288-6	MP-244R	78	93
480-187288-7	MP-241R	68	116
LCS 480-589491/2-A	Lab Control Sample	52	72
MB 480-589491/1-A	Method Blank	42	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (19-120)	TCX2 (39-121)
480-187277-1	MP-279	53	91
480-187288-1	MP-281	69	103
480-187288-2	MP-281C	69	104
480-187288-3	MP-406C	76	96
480-187288-4	MP-409	76	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (19-120)	TCX2 (39-121)
480-187288-5	MP-250	46	62
480-187288-6	MP-244R	63	75
480-187288-7	MP-241R	52	74
LCS 480-589849/2-A	Lab Control Sample	39	74
MB 480-589849/1-A	Method Blank	43	73

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TPP1 (59-148)	TPP2 (59-148)
480-187277-1	MP-279	91	92
480-187288-1	MP-281	86	88
480-187288-2	MP-281C	86	89
480-187288-3	MP-406C	91	91
480-187288-4	MP-409	88	88
480-187288-5	MP-250	91	91
480-187288-6	MP-244R	83	85
480-187288-7	MP-241R	92	93
LCS 180-365141/2-A	Lab Control Sample	90	92
LCSD 180-365141/3-A	Lab Control Sample Dup	98	100
MB 180-365141/1-A	Method Blank	87	87

Surrogate Legend

TPP = Triphenylphosphate

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA2 (21-141)
480-187277-1	MP-279	40
480-187288-1	MP-281	51
480-187288-2	MP-281C	79
480-187288-3	MP-406C	48
480-187288-4	MP-409	44
480-187288-5	MP-250	83
480-187288-6	MP-244R	81
LCS 480-589512/2-A	Lab Control Sample	73
LCSD 480-589512/3-A	Lab Control Sample Dup	73
MB 480-589512/1-A	Method Blank	75

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Republic Services Inc
Job ID: 480-187277-1
Project/Site: Aber Rd. Landfill - App IX Sampling

Method: 8151A - Herbicides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**DCPAA1 (21-141)**							
480-187288-7	MP-241R	81							

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-589655/8
Matrix: Water
Analysis Batch: 589655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/20/21 11:34	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/20/21 11:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/20/21 11:34	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/20/21 11:34	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/20/21 11:34	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/20/21 11:34	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/20/21 11:34	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/20/21 11:34	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/20/21 11:34	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/20/21 11:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/20/21 11:34	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/20/21 11:34	1
2-Hexanone	ND		10	1.2	ug/L			07/20/21 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/20/21 11:34	1
Acetone	ND		10	3.0	ug/L			07/20/21 11:34	1
Acetonitrile	ND		170	4.9	ug/L			07/20/21 11:34	1
Acrolein	ND		20	0.91	ug/L			07/20/21 11:34	1
Acrylonitrile	ND		20	0.83	ug/L			07/20/21 11:34	1
Allyl chloride	ND		2.0	0.44	ug/L			07/20/21 11:34	1
Benzene	ND		2.0	0.41	ug/L			07/20/21 11:34	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/20/21 11:34	1
Bromoform	ND		2.0	0.26	ug/L			07/20/21 11:34	1
Bromomethane	ND		2.0	0.69	ug/L			07/20/21 11:34	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/20/21 11:34	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/20/21 11:34	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/20/21 11:34	1
Chloroethane	ND		2.0	0.32	ug/L			07/20/21 11:34	1
Chloroform	ND		2.0	0.34	ug/L			07/20/21 11:34	1
Chloromethane	ND		2.0	0.35	ug/L			07/20/21 11:34	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/20/21 11:34	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/20/21 11:34	1
Dibromomethane	ND		2.0	0.41	ug/L			07/20/21 11:34	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/20/21 11:34	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/20/21 11:34	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/20/21 11:34	1
Iodomethane	ND		2.0	0.30	ug/L			07/20/21 11:34	1
Isobutanol	ND		1000	4.8	ug/L			07/20/21 11:34	1
Methacrylonitrile	ND		10	0.69	ug/L			07/20/21 11:34	1
Methyl methacrylate	ND		10	0.61	ug/L			07/20/21 11:34	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/20/21 11:34	1
Propionitrile	ND		50	5.8	ug/L			07/20/21 11:34	1
Styrene	ND		2.0	0.73	ug/L			07/20/21 11:34	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/20/21 11:34	1
Toluene	ND		2.0	0.51	ug/L			07/20/21 11:34	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/20/21 11:34	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/20/21 11:34	1
Trichloroethene	ND		2.0	0.46	ug/L			07/20/21 11:34	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/20/21 11:34	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-589655/8
Matrix: Water
Analysis Batch: 589655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		10	0.85	ug/L			07/20/21 11:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/20/21 11:34	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/20/21 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*86 - 118*		*07/20/21 11:34*	*1*
4-Bromofluorobenzene (Surr)	*86*		*86 - 115*		*07/20/21 11:34*	*1*
Toluene-d8 (Surr)	*88*		*88 - 110*		*07/20/21 11:34*	*1*

Lab Sample ID: LCS 480-589655/5
Matrix: Water
Analysis Batch: 589655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	24.7		ug/L		99	72 - 127
Benzene	25.0	23.4		ug/L		94	78 - 124
Chlorobenzene	25.0	23.4		ug/L		94	78 - 124
Toluene	25.0	23.7		ug/L		95	77 - 123
Trichloroethene	25.0	24.5		ug/L		98	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*86 - 118*
4-Bromofluorobenzene (Surr)	*91*		*86 - 115*
Toluene-d8 (Surr)	*90*		*88 - 110*

Lab Sample ID: LCSD 480-589655/6
Matrix: Water
Analysis Batch: 589655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	23.1		ug/L		92	72 - 127	7	18
Benzene	25.0	22.6		ug/L		90	78 - 124	4	18
Chlorobenzene	25.0	22.7		ug/L		91	78 - 124	3	18
Toluene	25.0	22.9		ug/L		91	77 - 123	3	19
Trichloroethene	25.0	24.1		ug/L		96	75 - 124	2	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*	*S1-*	*86 - 118*
4-Bromofluorobenzene (Surr)	*88*		*86 - 115*
Toluene-d8 (Surr)	*88*		*88 - 110*

Lab Sample ID: MB 480-590010/7
Matrix: Water
Analysis Batch: 590010

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/22/21 11:35	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/22/21 11:35	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-590010/7
Matrix: Water
Analysis Batch: 590010

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/22/21 11:35	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/22/21 11:35	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/22/21 11:35	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/22/21 11:35	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/22/21 11:35	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/22/21 11:35	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/22/21 11:35	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/22/21 11:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/21 11:35	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/22/21 11:35	1
2-Hexanone	ND		10	1.2	ug/L			07/22/21 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/22/21 11:35	1
Acetone	ND		10	3.0	ug/L			07/22/21 11:35	1
Acetonitrile	ND		170	4.9	ug/L			07/22/21 11:35	1
Acrolein	ND		20	0.91	ug/L			07/22/21 11:35	1
Acrylonitrile	ND		20	0.83	ug/L			07/22/21 11:35	1
Allyl chloride	ND		2.0	0.44	ug/L			07/22/21 11:35	1
Benzene	ND		2.0	0.41	ug/L			07/22/21 11:35	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/22/21 11:35	1
Bromoform	ND		2.0	0.26	ug/L			07/22/21 11:35	1
Bromomethane	ND		2.0	0.69	ug/L			07/22/21 11:35	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/22/21 11:35	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/22/21 11:35	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/22/21 11:35	1
Chloroethane	ND		2.0	0.32	ug/L			07/22/21 11:35	1
Chloroform	ND		2.0	0.34	ug/L			07/22/21 11:35	1
Chloromethane	ND		2.0	0.35	ug/L			07/22/21 11:35	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/22/21 11:35	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/22/21 11:35	1
Dibromomethane	ND		2.0	0.41	ug/L			07/22/21 11:35	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/22/21 11:35	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/22/21 11:35	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/22/21 11:35	1
Iodomethane	ND		2.0	0.30	ug/L			07/22/21 11:35	1
Isobutanol	ND		1000	4.8	ug/L			07/22/21 11:35	1
Methacrylonitrile	ND		10	0.69	ug/L			07/22/21 11:35	1
Methyl methacrylate	ND		10	0.61	ug/L			07/22/21 11:35	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/22/21 11:35	1
Propionitrile	ND		50	5.8	ug/L			07/22/21 11:35	1
Styrene	ND		2.0	0.73	ug/L			07/22/21 11:35	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/22/21 11:35	1
Toluene	ND		2.0	0.51	ug/L			07/22/21 11:35	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/22/21 11:35	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/22/21 11:35	1
Trichloroethene	ND		2.0	0.46	ug/L			07/22/21 11:35	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/22/21 11:35	1
Vinyl acetate	ND		10	0.85	ug/L			07/22/21 11:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/21 11:35	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/22/21 11:35	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		86 - 118		07/22/21 11:35	1
4-Bromofluorobenzene (Surr)	113		86 - 115		07/22/21 11:35	1
Toluene-d8 (Surr)	93		88 - 110		07/22/21 11:35	1

Lab Sample ID: LCS 480-590010/5
Matrix: Water
Analysis Batch: 590010

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	30.1		ug/L		120	72 - 127
Benzene	25.0	28.4		ug/L		113	78 - 124
Chlorobenzene	25.0	25.5		ug/L		102	78 - 124
Toluene	25.0	25.2		ug/L		101	77 - 123
Trichloroethene	25.0	28.6		ug/L		114	75 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		86 - 118
4-Bromofluorobenzene (Surr)	112		86 - 115
Toluene-d8 (Surr)	91		88 - 110

Lab Sample ID: MB 480-590193/10
Matrix: Water
Analysis Batch: 590193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			07/23/21 13:55	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			07/23/21 13:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			07/23/21 13:55	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			07/23/21 13:55	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			07/23/21 13:55	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			07/23/21 13:55	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			07/23/21 13:55	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			07/23/21 13:55	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			07/23/21 13:55	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			07/23/21 13:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/23/21 13:55	1
2-Chloro-1,3-butadiene	ND		2.0	0.49	ug/L			07/23/21 13:55	1
2-Hexanone	ND		10	1.2	ug/L			07/23/21 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			07/23/21 13:55	1
Acetone	ND		10	3.0	ug/L			07/23/21 13:55	1
Acetonitrile	ND		170	4.9	ug/L			07/23/21 13:55	1
Acrolein	ND		20	0.91	ug/L			07/23/21 13:55	1
Acrylonitrile	ND		20	0.83	ug/L			07/23/21 13:55	1
Allyl chloride	ND		2.0	0.44	ug/L			07/23/21 13:55	1
Benzene	ND		2.0	0.41	ug/L			07/23/21 13:55	1
Bromodichloromethane	ND		2.0	0.39	ug/L			07/23/21 13:55	1
Bromoform	ND		2.0	0.26	ug/L			07/23/21 13:55	1
Bromomethane	ND		2.0	0.69	ug/L			07/23/21 13:55	1
Carbon disulfide	ND		2.0	0.19	ug/L			07/23/21 13:55	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			07/23/21 13:55	1
Chlorobenzene	ND		2.0	0.75	ug/L			07/23/21 13:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-590193/10
Matrix: Water
Analysis Batch: 590193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0	0.32	ug/L			07/23/21 13:55	1
Chloroform	ND		2.0	0.34	ug/L			07/23/21 13:55	1
Chloromethane	ND		2.0	0.35	ug/L			07/23/21 13:55	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			07/23/21 13:55	1
Dibromochloromethane	ND		2.0	0.32	ug/L			07/23/21 13:55	1
Dibromomethane	ND		2.0	0.41	ug/L			07/23/21 13:55	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			07/23/21 13:55	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			07/23/21 13:55	1
Ethylbenzene	ND		2.0	0.74	ug/L			07/23/21 13:55	1
Iodomethane	ND		2.0	0.30	ug/L			07/23/21 13:55	1
Isobutanol	ND		1000	4.8	ug/L			07/23/21 13:55	1
Methacrylonitrile	ND		10	0.69	ug/L			07/23/21 13:55	1
Methyl methacrylate	ND		10	0.61	ug/L			07/23/21 13:55	1
Methylene Chloride	ND		2.0	0.44	ug/L			07/23/21 13:55	1
Propionitrile	ND		50	5.8	ug/L			07/23/21 13:55	1
Styrene	ND		2.0	0.73	ug/L			07/23/21 13:55	1
Tetrachloroethene	ND		2.0	0.36	ug/L			07/23/21 13:55	1
Toluene	ND		2.0	0.51	ug/L			07/23/21 13:55	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			07/23/21 13:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			07/23/21 13:55	1
Trichloroethene	ND		2.0	0.46	ug/L			07/23/21 13:55	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			07/23/21 13:55	1
Vinyl acetate	ND		10	0.85	ug/L			07/23/21 13:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/23/21 13:55	1
Xylenes, Total	ND		3.0	0.66	ug/L			07/23/21 13:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*86 - 118*		*07/23/21 13:55*	*1*
4-Bromofluorobenzene (Surr)	*102*		*86 - 115*		*07/23/21 13:55*	*1*
Toluene-d8 (Surr)	*95*		*88 - 110*		*07/23/21 13:55*	*1*

Lab Sample ID: LCS 480-590193/7
Matrix: Water
Analysis Batch: 590193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	27.0		ug/L		108	72 - 127
Benzene	25.0	27.1		ug/L		109	78 - 124
Chlorobenzene	25.0	24.9		ug/L		100	78 - 124
Toluene	25.0	24.7		ug/L		99	77 - 123
Trichloroethene	25.0	27.4		ug/L		110	75 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*86 - 118*
4-Bromofluorobenzene (Surr)	*104*		*86 - 115*
Toluene-d8 (Surr)	*94*		*88 - 110*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-589416/1-A
Matrix: Water
Analysis Batch: 589673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		20	0.58	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,4-Dioxane	ND		1000	1.1	ug/L		07/16/21 15:04	07/20/21 15:02	1
1,4-Naphthoquinone	ND		50	0.24	ug/L		07/16/21 15:04	07/20/21 15:02	1
1-Naphthylamine	ND		10	1.3	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,2'-oxybis[1-chloropropane]	ND		10	0.52	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,3,4,6-Tetrachlorophenol	ND		10	0.32	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4,5-Trichlorophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4,6-Trichlorophenol	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4-Dichlorophenol	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4-Dimethylphenol	ND		10	0.50	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4-Dinitrophenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,4-Dinitrotoluene	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,6-Dichlorophenol	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:02	1
2,6-Dinitrotoluene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Acetylaminofluorene	ND		20	2.3	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Chloronaphthalene	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Chlorophenol	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Methylnaphthalene	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Methylphenol	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Naphthylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Nitroaniline	ND		50	0.42	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Nitrophenol	ND		10	0.48	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-Picoline	ND		80	1.4	ug/L		07/16/21 15:04	07/20/21 15:02	1
2-sec-Butyl-4,6-dinitrophenol	ND		10	2.9	ug/L		07/16/21 15:04	07/20/21 15:02	1
3 & 4 Methylphenol	ND		20	0.36	ug/L		07/16/21 15:04	07/20/21 15:02	1
3,3'-Dichlorobenzidine	ND		20	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
3,3'-Dimethylbenzidine	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
3-Methylcholanthrene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
3-Nitroaniline	ND		50	0.48	ug/L		07/16/21 15:04	07/20/21 15:02	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Aminobiphenyl	ND		10	0.81	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Bromophenyl phenyl ether	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Chloro-3-methylphenol	ND		10	0.45	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Chloroaniline	ND		10	0.59	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Chlorophenyl phenyl ether	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Nitroaniline	ND		50	0.25	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Nitrophenol	ND		50	1.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
4-Nitroquinoline-1-oxide	ND		40	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
5-Nitro-o-toluidine	ND		10	0.66	ug/L		07/16/21 15:04	07/20/21 15:02	1
7,12-Dimethylbenz(a)anthracene	ND		10	0.62	ug/L		07/16/21 15:04	07/20/21 15:02	1
Acenaphthene	ND		10	0.41	ug/L		07/16/21 15:04	07/20/21 15:02	1
Acenaphthylene	ND		10	0.38	ug/L		07/16/21 15:04	07/20/21 15:02	1
Acetophenone	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:02	1
Aniline	ND		10	0.61	ug/L		07/16/21 15:04	07/20/21 15:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589416/1-A
Matrix: Water
Analysis Batch: 589673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		10	0.28	ug/L		07/16/21 15:04	07/20/21 15:02	1
Aramite	ND		20	1.6	ug/L		07/16/21 15:04	07/20/21 15:02	1
Benzo[a]anthracene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:02	1
Benzo[b]fluoranthene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:02	1
Benzo[g,h,i]perylene	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:02	1
Benzo[k]fluoranthene	ND		10	0.73	ug/L		07/16/21 15:04	07/20/21 15:02	1
Benzyl alcohol	ND		20	2.0	ug/L		07/16/21 15:04	07/20/21 15:02	1
Bis(2-chloroethoxy)methane	ND		10	0.35	ug/L		07/16/21 15:04	07/20/21 15:02	1
Bis(2-chloroethyl)ether	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		07/16/21 15:04	07/20/21 15:02	1
Butyl benzyl phthalate	ND		10	1.0	ug/L		07/16/21 15:04	07/20/21 15:02	1
Chlorobenzilate	ND		50	0.67	ug/L		07/16/21 15:04	07/20/21 15:02	1
Chrysene	ND		10	0.33	ug/L		07/16/21 15:04	07/20/21 15:02	1
Diallate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
Dibenz(a,h)anthracene	ND		10	0.42	ug/L		07/16/21 15:04	07/20/21 15:02	1
Dibenzofuran	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:02	1
Diethyl phthalate	ND		10	0.22	ug/L		07/16/21 15:04	07/20/21 15:02	1
Dimethoate	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:02	1
Dimethyl phthalate	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:02	1
Di-n-butyl phthalate	2.36	J	10	0.31	ug/L		07/16/21 15:04	07/20/21 15:02	1
Di-n-octyl phthalate	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:02	1
Diphenylamine	ND		50	0.82	ug/L		07/16/21 15:04	07/20/21 15:02	1
Ethyl methanesulfonate	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:02	1
Fluoranthene	ND		10	0.40	ug/L		07/16/21 15:04	07/20/21 15:02	1
Fluorene	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachlorobutadiene	ND		10	0.68	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachloroethane	ND		300	0.59	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachlorophene	ND		310	130	ug/L		07/16/21 15:04	07/20/21 15:02	1
Hexachloropropene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
Indeno[1,2,3-cd]pyrene	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:02	1
Isodrin	ND		10	0.18	ug/L		07/16/21 15:04	07/20/21 15:02	1
Isophorone	ND		10	0.43	ug/L		07/16/21 15:04	07/20/21 15:02	1
Isosafrole	ND		10	0.58	ug/L		07/16/21 15:04	07/20/21 15:02	1
Kepone	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:02	1
m-Dinitrobenzene	ND		20	0.82	ug/L		07/16/21 15:04	07/20/21 15:02	1
Methapyrilene	ND		52	1.8	ug/L		07/16/21 15:04	07/20/21 15:02	1
Methyl methanesulfonate	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
Naphthalene	ND		10	0.76	ug/L		07/16/21 15:04	07/20/21 15:02	1
Nitrobenzene	ND		10	0.29	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosodiethylamine	ND		10	0.36	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosodimethylamine	ND		50	2.2	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosodi-n-butylamine	ND		10	0.60	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosodi-n-propylamine	ND		10	0.54	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosodiphenylamine	ND		10	0.51	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosomethylethylamine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosomorpholine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
N-Nitrosopiperidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589416/1-A
Matrix: Water
Analysis Batch: 589673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosopyrrolidine	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
o-Toluidine	ND		20	1.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
p-Dimethylamino azobenzene	ND		50	0.75	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pentachlorobenzene	ND		10	0.53	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pentachloroethane	ND		10	0.47	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pentachloronitrobenzene	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
Phenacetin	ND		50	0.61	ug/L		07/16/21 15:04	07/20/21 15:02	1
Phenanthrene	ND		10	0.44	ug/L		07/16/21 15:04	07/20/21 15:02	1
Phenol	ND		10	0.39	ug/L		07/16/21 15:04	07/20/21 15:02	1
Phentermine	ND		100	40	ug/L		07/16/21 15:04	07/20/21 15:02	1
p-Phenylene diamine	ND		800	200	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pronamide	ND		10	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pyrene	ND		10	0.34	ug/L		07/16/21 15:04	07/20/21 15:02	1
Pyridine	ND		50	0.41	ug/L		07/16/21 15:04	07/20/21 15:02	1
Safrole	ND		10	0.46	ug/L		07/16/21 15:04	07/20/21 15:02	1
sym-Trinitrobenzene	ND		50	2.5	ug/L		07/16/21 15:04	07/20/21 15:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*10 - 123*	*07/16/21 15:04*	*07/20/21 15:02*	*1*
2-Fluorobiphenyl	*92*		*43 - 116*	*07/16/21 15:04*	*07/20/21 15:02*	*1*
2-Fluorophenol	*66*		*21 - 120*	*07/16/21 15:04*	*07/20/21 15:02*	*1*
Nitrobenzene-d5	*79*		*35 - 114*	*07/16/21 15:04*	*07/20/21 15:02*	*1*
Phenol-d5	*50*		*13 - 120*	*07/16/21 15:04*	*07/20/21 15:02*	*1*
p-Terphenyl-d14	*108*		*33 - 141*	*07/16/21 15:04*	*07/20/21 15:02*	*1*

Lab Sample ID: LCS 480-589416/2-A
Matrix: Water
Analysis Batch: 589529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	32.0	28.6		ug/L		90	35 - 110
1,4-Dichlorobenzene	32.0	28.2		ug/L		88	40 - 119
2,4-Dinitrotoluene	32.0	34.7		ug/L		108	38 - 122
2-Chlorophenol	32.0	31.7		ug/L		99	23 - 117
4-Chloro-3-methylphenol	32.0	33.2		ug/L		104	22 - 120
4-Nitrophenol	64.0	50.4		ug/L		79	20 - 120
Acenaphthene	32.0	31.7		ug/L		99	40 - 119
N-Nitrosodi-n-propylamine	32.0	32.6		ug/L		102	34 - 105
Phenol	32.0	19.9		ug/L		62	22 - 112
Pyrene	32.0	35.1		ug/L		110	30 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*117*		*10 - 123*
2-Fluorobiphenyl	*102*		*43 - 116*
2-Fluorophenol	*76*		*21 - 120*
Nitrobenzene-d5	*96*		*35 - 114*
Phenol-d5	*60*		*13 - 120*
p-Terphenyl-d14	*107*		*33 - 141*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 480-589605/1-A
Matrix: Water
Analysis Batch: 589745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		0.18	0.13	ug/L		07/19/21 15:23	07/20/21 17:53	1
Pentachlorophenol	ND		1.0	0.34	ug/L		07/19/21 15:23	07/20/21 17:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*24 - 146*	*07/19/21 15:23*	*07/20/21 17:53*	*1*
2-Fluorobiphenyl	*93*		*37 - 120*	*07/19/21 15:23*	*07/20/21 17:53*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 120*	*07/19/21 15:23*	*07/20/21 17:53*	*1*
Nitrobenzene-d5 (Surr)	*76*		*26 - 120*	*07/19/21 15:23*	*07/20/21 17:53*	*1*
Phenol-d5 (Surr)	*35*		*11 - 120*	*07/19/21 15:23*	*07/20/21 17:53*	*1*
p-Terphenyl-d14	*121*		*64 - 127*	*07/19/21 15:23*	*07/20/21 17:53*	*1*

Lab Sample ID: LCS 480-589605/2-A
Matrix: Water
Analysis Batch: 589745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo(a)pyrene	8.00	7.99		ug/L		100	72 - 120
Pentachlorophenol	16.0	19.3		ug/L		121	10 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*24 - 146*
2-Fluorobiphenyl	*89*		*37 - 120*
2-Fluorophenol (Surr)	*55*		*10 - 120*
Nitrobenzene-d5 (Surr)	*83*		*26 - 120*
Phenol-d5 (Surr)	*39*		*11 - 120*
p-Terphenyl-d14	*107*		*64 - 127*

Lab Sample ID: LCSD 480-589605/3-A
Matrix: Water
Analysis Batch: 589745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo(a)pyrene	8.00	7.80		ug/L		97	72 - 120	2	24
Pentachlorophenol	16.0	18.6		ug/L		116	10 - 131	4	171

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*24 - 146*
2-Fluorobiphenyl	*84*		*37 - 120*
2-Fluorophenol (Surr)	*48*		*10 - 120*
Nitrobenzene-d5 (Surr)	*80*		*26 - 120*
Phenol-d5 (Surr)	*35*		*11 - 120*
p-Terphenyl-d14	*100*		*64 - 127*

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-589791/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589809 — **Prep Batch: 589791**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		07/20/21 17:38	07/20/21 19:39	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		07/20/21 17:38	07/20/21 19:39	1

Lab Sample ID: LCS 480-589791/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589809 — **Prep Batch: 589791**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.108	0.131		ug/L		121	46 - 150
1,2-Dibromo-3-Chloropropane	0.108	0.116		ug/L		107	43 - 150

Lab Sample ID: LCSD 480-589791/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589809 — **Prep Batch: 589791**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.109	0.126		ug/L		116	46 - 150	4	40
1,2-Dibromo-3-Chloropropane	0.109	0.102		ug/L		94	43 - 150	13	40

Lab Sample ID: MB 480-589954/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589957 — **Prep Batch: 589954**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		07/21/21 15:05	07/21/21 17:28	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		07/21/21 15:05	07/21/21 17:28	1

Lab Sample ID: LCS 480-589954/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589957 — **Prep Batch: 589954**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.110	0.126		ug/L		115	46 - 150
1,2-Dibromo-3-Chloropropane	0.110	0.105		ug/L		96	43 - 150

Lab Sample ID: LCSD 480-589954/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589957 — **Prep Batch: 589954**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.109	0.125		ug/L		115	46 - 150	1	40
1,2-Dibromo-3-Chloropropane	0.109	0.0972		ug/L		89	43 - 150	8	40

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-589491/1-A
Matrix: Water
Analysis Batch: 589579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		07/19/21 07:02	07/19/21 15:55	1
4,4'-DDE	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 15:55	1
4,4'-DDT	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 15:55	1
Aldrin	ND		0.050	0.0081	ug/L		07/19/21 07:02	07/19/21 15:55	1
alpha-BHC	ND		0.050	0.0077	ug/L		07/19/21 07:02	07/19/21 15:55	1
beta-BHC	ND		0.050	0.025	ug/L		07/19/21 07:02	07/19/21 15:55	1
Chlordane	ND		0.50	0.29	ug/L		07/19/21 07:02	07/19/21 15:55	1
delta-BHC	ND		0.050	0.010	ug/L		07/19/21 07:02	07/19/21 15:55	1
Dieldrin	ND		0.050	0.0098	ug/L		07/19/21 07:02	07/19/21 15:55	1
Endosulfan I	ND		0.050	0.011	ug/L		07/19/21 07:02	07/19/21 15:55	1
Endosulfan II	ND		0.050	0.012	ug/L		07/19/21 07:02	07/19/21 15:55	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 15:55	1
Endrin	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 15:55	1
Endrin aldehyde	ND		0.050	0.016	ug/L		07/19/21 07:02	07/19/21 15:55	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		07/19/21 07:02	07/19/21 15:55	1
Heptachlor	ND		0.050	0.0085	ug/L		07/19/21 07:02	07/19/21 15:55	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		07/19/21 07:02	07/19/21 15:55	1
Methoxychlor	ND		0.050	0.014	ug/L		07/19/21 07:02	07/19/21 15:55	1
Toxaphene	ND		0.50	0.12	ug/L		07/19/21 07:02	07/19/21 15:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*42*		*24 - 150*	*07/19/21 07:02*	*07/19/21 15:55*	*1*
Tetrachloro-m-xylene	*71*		*24 - 150*	*07/19/21 07:02*	*07/19/21 15:55*	*1*

Lab Sample ID: LCS 480-589491/2-A
Matrix: Water
Analysis Batch: 589579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.393		ug/L		98	49 - 142
4,4'-DDE	0.400	0.308		ug/L		77	34 - 142
4,4'-DDT	0.400	0.344		ug/L		86	50 - 141
Aldrin	0.400	0.294		ug/L		73	28 - 125
alpha-BHC	0.400	0.331		ug/L		83	37 - 134
beta-BHC	0.400	0.376		ug/L		94	44 - 135
delta-BHC	0.400	0.348		ug/L		87	41 - 131
Dieldrin	0.400	0.368		ug/L		92	45 - 136
Endosulfan I	0.400	0.308		ug/L		77	30 - 135
Endosulfan II	0.400	0.409		ug/L		102	41 - 136
Endosulfan sulfate	0.400	0.463		ug/L		116	47 - 143
Endrin	0.400	0.355		ug/L		89	30 - 147
Endrin aldehyde	0.400	0.418		ug/L		105	43 - 130
gamma-BHC (Lindane)	0.400	0.358		ug/L		90	32 - 127
Heptachlor	0.400	0.348		ug/L		87	37 - 125
Heptachlor epoxide	0.400	0.351		ug/L		88	49 - 134
Methoxychlor	0.400	0.318		ug/L		79	38 - 153

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-589491/2-A
Matrix: Water
Analysis Batch: 589579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589491

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		24 - 150
Tetrachloro-m-xylene	72		24 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-589849/1-A
Matrix: Water
Analysis Batch: 589927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1221	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1232	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1242	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1248	ND		0.50	0.18	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1254	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 21:58	1
PCB-1260	ND		0.50	0.25	ug/L		07/21/21 09:15	07/21/21 21:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		19 - 120	07/21/21 09:15	07/21/21 21:58	1
Tetrachloro-m-xylene	73		39 - 121	07/21/21 09:15	07/21/21 21:58	1

Lab Sample ID: LCS 480-589849/2-A
Matrix: Water
Analysis Batch: 589927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.06		ug/L		77	62 - 130
PCB-1260	4.00	2.86		ug/L		71	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	39		19 - 120
Tetrachloro-m-xylene	74		39 - 121

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 180-365141/1-A
Matrix: Water
Analysis Batch: 365277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 365141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Disulfoton	ND		0.50	0.24	ug/L		07/21/21 12:00	07/22/21 12:41	1
Famphur	ND		0.50	0.46	ug/L		07/21/21 12:00	07/22/21 12:41	1
Methyl parathion	ND		0.50	0.17	ug/L		07/21/21 12:00	07/22/21 12:41	1
Parathion	ND		0.50	0.40	ug/L		07/21/21 12:00	07/22/21 12:41	1
Phorate	ND		0.50	0.18	ug/L		07/21/21 12:00	07/22/21 12:41	1
Sulfotepp	ND		0.50	0.15	ug/L		07/21/21 12:00	07/22/21 12:41	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: MB 180-365141/1-A
Matrix: Water
Analysis Batch: 365277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 365141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thionazin	ND		0.50	0.37	ug/L		07/21/21 12:00	07/22/21 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*87*		*59 - 148*	*07/21/21 12:00*	*07/22/21 12:41*	*1*
Triphenylphosphate	*87*		*59 - 148*	*07/21/21 12:00*	*07/22/21 12:41*	*1*

Lab Sample ID: LCS 180-365141/2-A
Matrix: Water
Analysis Batch: 365277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 365141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Disulfoton	10.0	9.19		ug/L		92	51 - 150
Famphur	10.0	8.56		ug/L		86	55 - 134
Methyl parathion	10.0	9.09		ug/L		91	80 - 130
Parathion	10.0	8.80		ug/L		88	69 - 133
Phorate	10.0	9.25		ug/L		93	54 - 116
Sulfotepp	10.0	9.07		ug/L		91	70 - 123
Thionazin	10.0	9.66		ug/L		97	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Triphenylphosphate	*90*		*59 - 148*
Triphenylphosphate	*92*		*59 - 148*

Lab Sample ID: LCSD 180-365141/3-A
Matrix: Water
Analysis Batch: 365277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 365141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Disulfoton	10.0	9.98		ug/L		100	51 - 150	8	15
Famphur	10.0	9.43		ug/L		94	55 - 134	10	35
Methyl parathion	10.0	9.99		ug/L		100	80 - 130	9	15
Parathion	10.0	9.98		ug/L		100	69 - 133	13	23
Phorate	10.0	10.0		ug/L		100	54 - 116	8	15
Sulfotepp	10.0	9.91		ug/L		99	70 - 123	9	15
Thionazin	10.0	10.7		ug/L		107	56 - 127	10	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Triphenylphosphate	*98*		*59 - 148*
Triphenylphosphate	*100*		*59 - 148*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589512/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589724 — **Prep Batch: 589512**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.50	0.068	ug/L		07/19/21 08:51	07/20/21 13:56	1
Silvex (2,4,5-TP)	ND		0.36	0.050	ug/L		07/19/21 08:51	07/20/21 13:56	1
2,4-D	ND		1.3	0.17	ug/L		07/19/21 08:51	07/20/21 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*		*21 - 141*	*07/19/21 08:51*	*07/20/21 13:56*	*1*

Lab Sample ID: LCS 480-589512/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589724 — **Prep Batch: 589512**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	2.00	1.99		ug/L		99	40 - 140
Silvex (2,4,5-TP)	2.00	2.02		ug/L		101	45 - 110
2,4-D	2.00	1.89		ug/L		95	25 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*73*		*21 - 141*

Lab Sample ID: LCSD 480-589512/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589724 — **Prep Batch: 589512**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	2.00	2.00		ug/L		100	40 - 140	0	30
Silvex (2,4,5-TP)	2.00	2.03		ug/L		101	45 - 110	0	30
2,4-D	2.00	1.88		ug/L		94	25 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*73*		*21 - 141*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-589438/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589870 — **Prep Batch: 589438**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND	^6+	0.0020	0.00070	mg/L		07/19/21 08:54	07/20/21 14:51	1
Beryllium	ND		0.0020	0.00030	mg/L		07/19/21 08:54	07/20/21 14:51	1
Cadmium	ND		0.0010	0.00050	mg/L		07/19/21 08:54	07/20/21 14:51	1
Chromium	ND		0.0050	0.0010	mg/L		07/19/21 08:54	07/20/21 14:51	1
Cobalt	ND		0.0040	0.00063	mg/L		07/19/21 08:54	07/20/21 14:51	1
Copper	ND		0.010	0.0016	mg/L		07/19/21 08:54	07/20/21 14:51	1
Lead	ND		0.0050	0.0030	mg/L		07/19/21 08:54	07/20/21 14:51	1
Nickel	ND		0.010	0.0013	mg/L		07/19/21 08:54	07/20/21 14:51	1
Selenium	ND		0.015	0.0087	mg/L		07/19/21 08:54	07/20/21 14:51	1
Silver	ND		0.0030	0.0017	mg/L		07/19/21 08:54	07/20/21 14:51	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-589438/1-A
Matrix: Water
Analysis Batch: 589870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tin	ND		0.010	0.0051	mg/L		07/19/21 08:54	07/20/21 14:51	1
Vanadium	ND		0.0050	0.0015	mg/L		07/19/21 08:54	07/20/21 14:51	1
Zinc	ND		0.010	0.0015	mg/L		07/19/21 08:54	07/20/21 14:51	1

Lab Sample ID: LCS 480-589438/2-A
Matrix: Water
Analysis Batch: 589870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.200	0.221	^6+	mg/L		110	80 - 120
Beryllium	0.200	0.205		mg/L		103	80 - 120
Cadmium	0.200	0.197		mg/L		98	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.200	0.189		mg/L		95	80 - 120
Copper	0.200	1.94	*+	mg/L		972	80 - 120
Lead	0.200	0.197		mg/L		98	80 - 120
Nickel	0.200	0.193		mg/L		97	80 - 120
Selenium	0.200	0.188		mg/L		94	80 - 120
Silver	0.0500	0.0501		mg/L		100	80 - 120
Tin	0.200	0.190		mg/L		95	80 - 120
Vanadium	0.200	0.204		mg/L		102	80 - 120
Zinc	0.200	0.419	*+	mg/L		209	80 - 120

Lab Sample ID: 480-187288-1 MS
Matrix: Water
Analysis Batch: 589870

Client Sample ID: MP-281
Prep Type: Total/NA
Prep Batch: 589438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.27	^6+	0.200	0.481	^6+	mg/L		105	75 - 125
Beryllium	ND		0.200	0.215		mg/L		108	75 - 125
Cadmium	ND		0.200	0.208		mg/L		104	75 - 125
Chromium	ND		0.200	0.207		mg/L		103	75 - 125
Cobalt	ND		0.200	0.203		mg/L		102	75 - 125
Copper	ND	*+ F1	0.200	0.761	F1	mg/L		381	75 - 125
Lead	ND		0.200	0.208		mg/L		104	75 - 125
Nickel	ND		0.200	0.207		mg/L		103	75 - 125
Selenium	ND		0.200	0.198		mg/L		99	75 - 125
Silver	ND		0.0500	0.0525		mg/L		105	75 - 125
Tin	ND		0.200	0.203		mg/L		101	75 - 125
Vanadium	ND		0.200	0.212		mg/L		106	75 - 125
Zinc	ND	*+ F1	0.200	0.301	F1	mg/L		150	75 - 125

Lab Sample ID: 480-187288-1 MSD
Matrix: Water
Analysis Batch: 589870

Client Sample ID: MP-281
Prep Type: Total/NA
Prep Batch: 589438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.27	^6+	0.200	0.482	^6+	mg/L		106	75 - 125	0	20
Beryllium	ND		0.200	0.213		mg/L		106	75 - 125	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-187288-1 MSD — **Client Sample ID: MP-281**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589870 — **Prep Batch: 589438**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		0.200	0.208		mg/L		104	75 - 125	0	20
Chromium	ND		0.200	0.206		mg/L		103	75 - 125	0	20
Cobalt	ND		0.200	0.202		mg/L		101	75 - 125	0	20
Copper	ND	*+ F1	0.200	0.794	F1	mg/L		397	75 - 125	4	20
Lead	ND		0.200	0.208		mg/L		104	75 - 125	0	20
Nickel	ND		0.200	0.205		mg/L		102	75 - 125	1	20
Selenium	ND		0.200	0.203		mg/L		101	75 - 125	2	20
Silver	ND		0.0500	0.0528		mg/L		106	75 - 125	0	20
Tin	ND		0.200	0.206		mg/L		103	75 - 125	1	20
Vanadium	ND		0.200	0.211		mg/L		105	75 - 125	1	20
Zinc	ND	*+ F1	0.200	0.303	F1	mg/L		152	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-589437/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589683 — **Prep Batch: 589437**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.35	ug/L		07/19/21 08:31	07/19/21 21:56	1
Arsenic	ND		0.0010	0.00027	mg/L		07/19/21 08:31	07/19/21 21:56	1
Thallium	ND		0.20	0.019	ug/L		07/19/21 08:31	07/19/21 21:56	1

Lab Sample ID: LCS 480-589437/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589683 — **Prep Batch: 589437**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0200	0.0200		mg/L		100	80 - 120
Thallium	20.0	20.78		ug/L		104	80 - 120

Lab Sample ID: 480-187288-2 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589683 — **Prep Batch: 589437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0044		0.0200	0.0251		mg/L		104	75 - 125

Lab Sample ID: 480-187288-2 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 590406 — **Prep Batch: 589437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	ND		20.0	19.91		ug/L		100	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-187288-2 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589683 — **Prep Batch: 589437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0044		0.0200	0.0241		mg/L		99	75 - 125	4	20

Lab Sample ID: 480-187288-2 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 590406 — **Prep Batch: 589437**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	ND		20.0	19.62		ug/L		98	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-589578/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589625 — **Prep Batch: 589578**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/19/21 13:21	07/19/21 17:46	1

Lab Sample ID: LCS 480-589578/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589625 — **Prep Batch: 589578**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00668		mg/L		100	80 - 120

Lab Sample ID: MB 480-589618/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589801 — **Prep Batch: 589618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		07/20/21 13:29	07/20/21 16:26	1

Lab Sample ID: LCS 480-589618/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589801 — **Prep Batch: 589618**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00688		mg/L		103	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-589914/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 590301 — **Prep Batch: 589914**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		07/21/21 12:29	07/23/21 18:02	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 480-589914/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 590301 — **Prep Batch: 589914**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.272		mg/L		109	90 - 110		

Lab Sample ID: 480-187288-7 MS — **Client Sample ID: MP-241R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 590301 — **Prep Batch: 589914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		0.100	0.0983		mg/L		98	90 - 110		

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 480-589614/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Lab Sample ID: MB 480-589614/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Lab Sample ID: MB 480-589614/51 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			07/19/21 14:48	1

Lab Sample ID: LCS 480-589614/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589614

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			7.80	8.00		mg/L		103	90 - 110		

Lab Sample ID: LCS 480-589614/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 589614

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			7.80	8.00		mg/L		103	90 - 110		

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 480-589614/52
Matrix: Water
Analysis Batch: 589614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			7.80	8.00		mg/L		103	90 - 110		

Lab Sample ID: 480-187288-6 DU
Matrix: Water
Analysis Batch: 589614

Client Sample ID: MP-244R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	ND			ND		mg/L				NC	20

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

GC/MS VOA

Analysis Batch: 589655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-2	MP-281C	Total/NA	Water	8260C	
480-187288-3	MP-406C	Total/NA	Water	8260C	
480-187288-4	MP-409	Total/NA	Water	8260C	
480-187288-5	MP-250	Total/NA	Water	8260C	
480-187288-6	MP-244R	Total/NA	Water	8260C	
480-187288-7	MP-241R	Total/NA	Water	8260C	
MB 480-589655/8	Method Blank	Total/NA	Water	8260C	
LCS 480-589655/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-589655/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 590010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-1	MP-281	Total/NA	Water	8260C	
MB 480-590010/7	Method Blank	Total/NA	Water	8260C	
LCS 480-590010/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 590193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8260C	
MB 480-590193/10	Method Blank	Total/NA	Water	8260C	
LCS 480-590193/7	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 589416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3510C	
480-187288-1	MP-281	Total/NA	Water	3510C	
480-187288-2	MP-281C	Total/NA	Water	3510C	
480-187288-3	MP-406C	Total/NA	Water	3510C	
480-187288-4	MP-409	Total/NA	Water	3510C	
480-187288-5	MP-250	Total/NA	Water	3510C	
480-187288-6	MP-244R	Total/NA	Water	3510C	
480-187288-7	MP-241R	Total/NA	Water	3510C	
MB 480-589416/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-589416/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 589529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-589416/2-A	Lab Control Sample	Total/NA	Water	8270D	589416

Prep Batch: 589605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3510C	
480-187288-1	MP-281	Total/NA	Water	3510C	
480-187288-2	MP-281C	Total/NA	Water	3510C	
480-187288-3	MP-406C	Total/NA	Water	3510C	
480-187288-4	MP-409	Total/NA	Water	3510C	
480-187288-5	MP-250	Total/NA	Water	3510C	
480-187288-6	MP-244R	Total/NA	Water	3510C	
480-187288-7	MP-241R	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 589605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-589605/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-589605/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-589605/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 589673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8270D	589416
480-187288-1	MP-281	Total/NA	Water	8270D	589416
480-187288-2	MP-281C	Total/NA	Water	8270D	589416
480-187288-3	MP-406C	Total/NA	Water	8270D	589416
480-187288-4	MP-409	Total/NA	Water	8270D	589416
480-187288-5	MP-250	Total/NA	Water	8270D	589416
480-187288-6	MP-244R	Total/NA	Water	8270D	589416
480-187288-7	MP-241R	Total/NA	Water	8270D	589416
MB 480-589416/1-A	Method Blank	Total/NA	Water	8270D	589416

Analysis Batch: 589745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8270D LL	589605
480-187288-1	MP-281	Total/NA	Water	8270D LL	589605
480-187288-2	MP-281C	Total/NA	Water	8270D LL	589605
480-187288-3	MP-406C	Total/NA	Water	8270D LL	589605
480-187288-4	MP-409	Total/NA	Water	8270D LL	589605
480-187288-5	MP-250	Total/NA	Water	8270D LL	589605
480-187288-6	MP-244R	Total/NA	Water	8270D LL	589605
480-187288-7	MP-241R	Total/NA	Water	8270D LL	589605
MB 480-589605/1-A	Method Blank	Total/NA	Water	8270D LL	589605
LCS 480-589605/2-A	Lab Control Sample	Total/NA	Water	8270D LL	589605
LCSD 480-589605/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	589605

GC Semi VOA

Prep Batch: 365141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3510C	
480-187288-1	MP-281	Total/NA	Water	3510C	
480-187288-2	MP-281C	Total/NA	Water	3510C	
480-187288-3	MP-406C	Total/NA	Water	3510C	
480-187288-4	MP-409	Total/NA	Water	3510C	
480-187288-5	MP-250	Total/NA	Water	3510C	
480-187288-6	MP-244R	Total/NA	Water	3510C	
480-187288-7	MP-241R	Total/NA	Water	3510C	
MB 180-365141/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-365141/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-365141/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 365277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8141B	365141
480-187288-1	MP-281	Total/NA	Water	8141B	365141
480-187288-2	MP-281C	Total/NA	Water	8141B	365141

GC Semi VOA (Continued)

Analysis Batch: 365277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-3	MP-406C	Total/NA	Water	8141B	365141
480-187288-4	MP-409	Total/NA	Water	8141B	365141
480-187288-5	MP-250	Total/NA	Water	8141B	365141
480-187288-6	MP-244R	Total/NA	Water	8141B	365141
480-187288-7	MP-241R	Total/NA	Water	8141B	365141
MB 180-365141/1-A	Method Blank	Total/NA	Water	8141B	365141
LCS 180-365141/2-A	Lab Control Sample	Total/NA	Water	8141B	365141
LCSD 180-365141/3-A	Lab Control Sample Dup	Total/NA	Water	8141B	365141

Prep Batch: 589491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3510C	
480-187288-1	MP-281	Total/NA	Water	3510C	
480-187288-2	MP-281C	Total/NA	Water	3510C	
480-187288-3	MP-406C	Total/NA	Water	3510C	
480-187288-4	MP-409	Total/NA	Water	3510C	
480-187288-5	MP-250	Total/NA	Water	3510C	
480-187288-6	MP-244R	Total/NA	Water	3510C	
480-187288-7	MP-241R	Total/NA	Water	3510C	
MB 480-589491/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-589491/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 589512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8151A	
480-187288-1	MP-281	Total/NA	Water	8151A	
480-187288-2	MP-281C	Total/NA	Water	8151A	
480-187288-3	MP-406C	Total/NA	Water	8151A	
480-187288-4	MP-409	Total/NA	Water	8151A	
480-187288-5	MP-250	Total/NA	Water	8151A	
480-187288-6	MP-244R	Total/NA	Water	8151A	
480-187288-7	MP-241R	Total/NA	Water	8151A	
MB 480-589512/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-589512/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-589512/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 589579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8081B	589491
480-187288-1	MP-281	Total/NA	Water	8081B	589491
480-187288-2	MP-281C	Total/NA	Water	8081B	589491
480-187288-3	MP-406C	Total/NA	Water	8081B	589491
480-187288-4	MP-409	Total/NA	Water	8081B	589491
480-187288-5	MP-250	Total/NA	Water	8081B	589491
480-187288-6	MP-244R	Total/NA	Water	8081B	589491
480-187288-7	MP-241R	Total/NA	Water	8081B	589491
MB 480-589491/1-A	Method Blank	Total/NA	Water	8081B	589491
LCS 480-589491/2-A	Lab Control Sample	Total/NA	Water	8081B	589491

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

GC Semi VOA

Analysis Batch: 589724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8151A	589512
480-187288-1	MP-281	Total/NA	Water	8151A	589512
480-187288-2	MP-281C	Total/NA	Water	8151A	589512
480-187288-3	MP-406C	Total/NA	Water	8151A	589512
480-187288-4	MP-409	Total/NA	Water	8151A	589512
480-187288-5	MP-250	Total/NA	Water	8151A	589512
480-187288-6	MP-244R	Total/NA	Water	8151A	589512
480-187288-7	MP-241R	Total/NA	Water	8151A	589512
MB 480-589512/1-A	Method Blank	Total/NA	Water	8151A	589512
LCS 480-589512/2-A	Lab Control Sample	Total/NA	Water	8151A	589512
LCSD 480-589512/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	589512

Prep Batch: 589791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-1	MP-281	Total/NA	Water	8011	
480-187288-2	MP-281C	Total/NA	Water	8011	
480-187288-3	MP-406C	Total/NA	Water	8011	
480-187288-4	MP-409	Total/NA	Water	8011	
480-187288-5	MP-250	Total/NA	Water	8011	
480-187288-6	MP-244R	Total/NA	Water	8011	
480-187288-7	MP-241R	Total/NA	Water	8011	
MB 480-589791/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-589791/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-589791/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 589809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-1	MP-281	Total/NA	Water	8011	589791
480-187288-2	MP-281C	Total/NA	Water	8011	589791
480-187288-3	MP-406C	Total/NA	Water	8011	589791
480-187288-4	MP-409	Total/NA	Water	8011	589791
480-187288-5	MP-250	Total/NA	Water	8011	589791
480-187288-6	MP-244R	Total/NA	Water	8011	589791
480-187288-7	MP-241R	Total/NA	Water	8011	589791
MB 480-589791/1-A	Method Blank	Total/NA	Water	8011	589791
LCS 480-589791/2-A	Lab Control Sample	Total/NA	Water	8011	589791
LCSD 480-589791/3-A	Lab Control Sample Dup	Total/NA	Water	8011	589791

Prep Batch: 589849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3510C	
480-187288-1	MP-281	Total/NA	Water	3510C	
480-187288-2	MP-281C	Total/NA	Water	3510C	
480-187288-3	MP-406C	Total/NA	Water	3510C	
480-187288-4	MP-409	Total/NA	Water	3510C	
480-187288-5	MP-250	Total/NA	Water	3510C	
480-187288-6	MP-244R	Total/NA	Water	3510C	
480-187288-7	MP-241R	Total/NA	Water	3510C	
MB 480-589849/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-589849/2-A	Lab Control Sample	Total/NA	Water	3510C	

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

GC Semi VOA

Analysis Batch: 589927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8082A	589849
480-187288-1	MP-281	Total/NA	Water	8082A	589849
480-187288-2	MP-281C	Total/NA	Water	8082A	589849
480-187288-3	MP-406C	Total/NA	Water	8082A	589849
480-187288-4	MP-409	Total/NA	Water	8082A	589849
MB 480-589849/1-A	Method Blank	Total/NA	Water	8082A	589849
LCS 480-589849/2-A	Lab Control Sample	Total/NA	Water	8082A	589849

Prep Batch: 589954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8011	
MB 480-589954/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-589954/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-589954/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 589957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	8011	589954
MB 480-589954/1-A	Method Blank	Total/NA	Water	8011	589954
LCS 480-589954/2-A	Lab Control Sample	Total/NA	Water	8011	589954
LCSD 480-589954/3-A	Lab Control Sample Dup	Total/NA	Water	8011	589954

Analysis Batch: 590091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-5	MP-250	Total/NA	Water	8082A	589849
480-187288-6	MP-244R	Total/NA	Water	8082A	589849
480-187288-7	MP-241R	Total/NA	Water	8082A	589849

Metals

Prep Batch: 589437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3020A	
480-187288-1	MP-281	Total/NA	Water	3020A	
480-187288-2	MP-281C	Total/NA	Water	3020A	
480-187288-3	MP-406C	Total/NA	Water	3020A	
480-187288-4	MP-409	Total/NA	Water	3020A	
480-187288-5	MP-250	Total/NA	Water	3020A	
480-187288-6	MP-244R	Total/NA	Water	3020A	
480-187288-7	MP-241R	Total/NA	Water	3020A	
MB 480-589437/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-589437/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-187288-2 MS	MP-281C	Total/NA	Water	3020A	
480-187288-2 MSD	MP-281C	Total/NA	Water	3020A	

Prep Batch: 589438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	3005A	
480-187288-1	MP-281	Total/NA	Water	3005A	
480-187288-2	MP-281C	Total/NA	Water	3005A	
480-187288-3	MP-406C	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 589438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-4	MP-409	Total/NA	Water	3005A	
480-187288-5	MP-250	Total/NA	Water	3005A	
480-187288-6	MP-244R	Total/NA	Water	3005A	
480-187288-7	MP-241R	Total/NA	Water	3005A	
MB 480-589438/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-589438/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-187288-1 MS	MP-281	Total/NA	Water	3005A	
480-187288-1 MSD	MP-281	Total/NA	Water	3005A	

Prep Batch: 589578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-1	MP-281	Total/NA	Water	7470A	
480-187288-2	MP-281C	Total/NA	Water	7470A	
480-187288-3	MP-406C	Total/NA	Water	7470A	
480-187288-4	MP-409	Total/NA	Water	7470A	
480-187288-5	MP-250	Total/NA	Water	7470A	
480-187288-6	MP-244R	Total/NA	Water	7470A	
MB 480-589578/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-589578/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 589618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	7470A	
480-187288-7	MP-241R	Total/NA	Water	7470A	
MB 480-589618/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-589618/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 589625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-1	MP-281	Total/NA	Water	7470A	589578
480-187288-2	MP-281C	Total/NA	Water	7470A	589578
480-187288-3	MP-406C	Total/NA	Water	7470A	589578
480-187288-4	MP-409	Total/NA	Water	7470A	589578
480-187288-5	MP-250	Total/NA	Water	7470A	589578
480-187288-6	MP-244R	Total/NA	Water	7470A	589578
MB 480-589578/1-A	Method Blank	Total/NA	Water	7470A	589578
LCS 480-589578/2-A	Lab Control Sample	Total/NA	Water	7470A	589578

Analysis Batch: 589683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	6020A	589437
480-187288-1	MP-281	Total/NA	Water	6020A	589437
480-187288-2	MP-281C	Total/NA	Water	6020A	589437
480-187288-3	MP-406C	Total/NA	Water	6020A	589437
480-187288-4	MP-409	Total/NA	Water	6020A	589437
480-187288-5	MP-250	Total/NA	Water	6020A	589437
480-187288-6	MP-244R	Total/NA	Water	6020A	589437
480-187288-7	MP-241R	Total/NA	Water	6020A	589437
MB 480-589437/1-A	Method Blank	Total/NA	Water	6020A	589437
LCS 480-589437/2-A	Lab Control Sample	Total/NA	Water	6020A	589437
480-187288-2 MS	MP-281C	Total/NA	Water	6020A	589437

Metals (Continued)

Analysis Batch: 589683 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187288-2 MSD	MP-281C	Total/NA	Water	6020A	589437

Analysis Batch: 589801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	7470A	589618
480-187288-7	MP-241R	Total/NA	Water	7470A	589618
MB 480-589618/1-A	Method Blank	Total/NA	Water	7470A	589618
LCS 480-589618/2-A	Lab Control Sample	Total/NA	Water	7470A	589618

Analysis Batch: 589870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	6010C	589438
480-187288-1	MP-281	Total/NA	Water	6010C	589438
480-187288-2	MP-281C	Total/NA	Water	6010C	589438
480-187288-3	MP-406C	Total/NA	Water	6010C	589438
480-187288-4	MP-409	Total/NA	Water	6010C	589438
480-187288-5	MP-250	Total/NA	Water	6010C	589438
480-187288-6	MP-244R	Total/NA	Water	6010C	589438
480-187288-7	MP-241R	Total/NA	Water	6010C	589438
MB 480-589438/1-A	Method Blank	Total/NA	Water	6010C	589438
LCS 480-589438/2-A	Lab Control Sample	Total/NA	Water	6010C	589438
480-187288-1 MS	MP-281	Total/NA	Water	6010C	589438
480-187288-1 MSD	MP-281	Total/NA	Water	6010C	589438

Analysis Batch: 590406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	6020A	589437
480-187288-1	MP-281	Total/NA	Water	6020A	589437
480-187288-2	MP-281C	Total/NA	Water	6020A	589437
480-187288-3	MP-406C	Total/NA	Water	6020A	589437
480-187288-4	MP-409	Total/NA	Water	6020A	589437
480-187288-5	MP-250	Total/NA	Water	6020A	589437
480-187288-6	MP-244R	Total/NA	Water	6020A	589437
480-187288-7	MP-241R	Total/NA	Water	6020A	589437
480-187288-2 MS	MP-281C	Total/NA	Water	6020A	589437
480-187288-2 MSD	MP-281C	Total/NA	Water	6020A	589437

General Chemistry

Analysis Batch: 589614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	SM 4500 S2 F	
480-187288-1	MP-281	Total/NA	Water	SM 4500 S2 F	
480-187288-2	MP-281C	Total/NA	Water	SM 4500 S2 F	
480-187288-3	MP-406C	Total/NA	Water	SM 4500 S2 F	
480-187288-4	MP-409	Total/NA	Water	SM 4500 S2 F	
480-187288-5	MP-250	Total/NA	Water	SM 4500 S2 F	
480-187288-6	MP-244R	Total/NA	Water	SM 4500 S2 F	
480-187288-7	MP-241R	Total/NA	Water	SM 4500 S2 F	
MB 480-589614/27	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-589614/3	Method Blank	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 589614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-589614/51	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-589614/28	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-589614/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-589614/52	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-187288-6 DU	MP-244R	Total/NA	Water	SM 4500 S2 F	

Prep Batch: 589914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	9012B	
480-187288-1	MP-281	Total/NA	Water	9012B	
480-187288-2	MP-281C	Total/NA	Water	9012B	
480-187288-3	MP-406C	Total/NA	Water	9012B	
480-187288-4	MP-409	Total/NA	Water	9012B	
480-187288-5	MP-250	Total/NA	Water	9012B	
480-187288-6	MP-244R	Total/NA	Water	9012B	
480-187288-7	MP-241R	Total/NA	Water	9012B	
MB 480-589914/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-589914/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-187288-7 MS	MP-241R	Total/NA	Water	9012B	

Analysis Batch: 590301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	9012B	589914
480-187288-1	MP-281	Total/NA	Water	9012B	589914
480-187288-2	MP-281C	Total/NA	Water	9012B	589914
480-187288-3	MP-406C	Total/NA	Water	9012B	589914
480-187288-4	MP-409	Total/NA	Water	9012B	589914
480-187288-5	MP-250	Total/NA	Water	9012B	589914
480-187288-6	MP-244R	Total/NA	Water	9012B	589914
480-187288-7	MP-241R	Total/NA	Water	9012B	589914
MB 480-589914/1-A	Method Blank	Total/NA	Water	9012B	589914
LCS 480-589914/2-A	Lab Control Sample	Total/NA	Water	9012B	589914
480-187288-7 MS	MP-241R	Total/NA	Water	9012B	589914

Field Service / Mobile Lab

Analysis Batch: 590573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187277-1	MP-279	Total/NA	Water	Field Sampling	
480-187288-1	MP-281	Total/NA	Water	Field Sampling	
480-187288-2	MP-281C	Total/NA	Water	Field Sampling	
480-187288-3	MP-406C	Total/NA	Water	Field Sampling	
480-187288-4	MP-409	Total/NA	Water	Field Sampling	
480-187288-5	MP-250	Total/NA	Water	Field Sampling	
480-187288-6	MP-244R	Total/NA	Water	Field Sampling	
480-187288-7	MP-241R	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-279

Date Collected: 07/13/21 13:19
Date Received: 07/15/21 10:00

Lab Sample ID: 480-187277-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	590193	07/23/21 15:50	WJD	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 15:29	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 19:13	PJQ	TAL BUF
Total/NA	Prep	8011			589954	07/21/21 15:06	DSC	TAL BUF
Total/NA	Analysis	8011		1	589957	07/21/21 20:27	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 18:12	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	589927	07/21/21 23:02	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 15:18	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 15:25	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 15:33	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:24	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:08	KMP	TAL BUF
Total/NA	Prep	7470A			589618	07/20/21 13:29	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589801	07/20/21 16:48	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:24	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/13/21 13:19	FLD	TAL BUF

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	590010	07/22/21 12:56	WJD	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 15:56	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 19:39	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 20:39	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 18:32	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	589927	07/21/21 23:15	NC	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281

Date Collected: 07/13/21 11:34
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 15:50	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 15:55	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 15:37	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:26	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:11	KMP	TAL BUF
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:11	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:25	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/13/21 11:34	FLD	TAL BUF

Client Sample ID: MP-281C

Date Collected: 07/13/21 10:19
Date Received: 07/14/21 10:00

Lab Sample ID: 480-187288-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 17:21	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 16:24	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 20:06	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 20:59	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 18:51	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	589927	07/21/21 23:28	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 16:21	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 16:25	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 15:57	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:29	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:13	KMP	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-281C

Lab Sample ID: 480-187288-2
Date Collected: 07/13/21 10:19
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:15	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:27	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/13/21 10:19	FLD	TAL BUF

Client Sample ID: MP-406C

Lab Sample ID: 480-187288-3
Date Collected: 07/13/21 08:44
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 17:43	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 16:51	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 20:32	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 21:19	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 19:11	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	589927	07/21/21 23:41	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 18:26	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 16:55	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 16:12	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:49	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:26	KMP	TAL BUF
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:16	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:28	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/13/21 08:44	FLD	TAL BUF

Client Sample ID: MP-409

Lab Sample ID: 480-187288-4

Date Collected: 07/12/21 17:53
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 18:06	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 17:19	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 20:59	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 21:39	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 19:31	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	589927	07/21/21 23:53	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 13:13	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 17:25	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 16:16	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:52	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:36	KMP	TAL BUF
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:18	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:29	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/12/21 17:53	FLD	TAL BUF

Client Sample ID: MP-250

Lab Sample ID: 480-187288-5

Date Collected: 07/12/21 15:51
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 18:28	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 17:46	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 21:25	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 21:59	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 19:50	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	590091	07/22/21 15:44	NC	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-250

Lab Sample ID: 480-187288-5
Matrix: Water
Date Collected: 07/12/21 15:51
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 13:44	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 17:54	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 16:20	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:54	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:38	KMP	TAL BUF
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:19	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:31	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/12/21 15:51	FLD	TAL BUF

Client Sample ID: MP-244R

Lab Sample ID: 480-187288-6
Matrix: Water
Date Collected: 07/12/21 13:53
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 18:50	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 18:14	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 21:51	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 22:18	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 20:10	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	590091	07/22/21 15:56	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 14:16	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 18:24	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 16:24	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:57	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:41	KMP	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Client Sample ID: MP-244R

Lab Sample ID: 480-187288-6

Date Collected: 07/12/21 13:53
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			589578	07/19/21 13:21	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589625	07/19/21 18:20	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:32	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/12/21 13:53	FLD	TAL BUF

Client Sample ID: MP-241R

Lab Sample ID: 480-187288-7

Date Collected: 07/12/21 11:51
Matrix: Water
Date Received: 07/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589655	07/20/21 19:13	CRL	TAL BUF
Total/NA	Prep	3510C			589416	07/16/21 15:04	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589673	07/20/21 18:41	JMM	TAL BUF
Total/NA	Prep	3510C			589605	07/19/21 15:23	CMC	TAL BUF
Total/NA	Analysis	8270D LL		1	589745	07/20/21 22:17	PJQ	TAL BUF
Total/NA	Prep	8011			589791	07/20/21 17:38	DSC	TAL BUF
Total/NA	Analysis	8011		1	589809	07/20/21 22:58	DSC	TAL BUF
Total/NA	Prep	3510C			589491	07/19/21 07:02	SMP	TAL BUF
Total/NA	Analysis	8081B		1	589579	07/19/21 20:29	JLS	TAL BUF
Total/NA	Prep	3510C			589849	07/21/21 09:15	JMP	TAL BUF
Total/NA	Analysis	8082A		1	590091	07/22/21 16:09	NC	TAL BUF
Total/NA	Prep	3510C			365141	07/21/21 12:00	SNP	TAL PIT
Total/NA	Analysis	8141B		1	365277	07/22/21 14:47	DFE	TAL PIT
Total/NA	Prep	8151A			589512	07/19/21 08:51	JMP	TAL BUF
Total/NA	Analysis	8151A		1	589724	07/20/21 19:24	JLS	TAL BUF
Total/NA	Prep	3005A			589438	07/19/21 08:54	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589870	07/20/21 16:28	LMH	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	589683	07/19/21 22:59	KMP	TAL BUF
Total/NA	Prep	3020A			589437	07/19/21 08:31	ADM	TAL BUF
Total/NA	Analysis	6020A		1	590406	07/23/21 15:43	KMP	TAL BUF
Total/NA	Prep	7470A			589618	07/20/21 13:29	BMB	TAL BUF
Total/NA	Analysis	7470A		1	589801	07/20/21 16:28	BMB	TAL BUF
Total/NA	Prep	9012B			589914	07/21/21 12:29	JPS	TAL BUF
Total/NA	Analysis	9012B		1	590301	07/23/21 18:37	SRA	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	589614	07/19/21 14:48	MJB	TAL BUF
Total/NA	Analysis	Field Sampling		1	590573	07/12/21 11:51	FLD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Accreditation/Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Laboratory: Eurofins TestAmerica, Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-07-21 *
Connecticut	State	PH-0568	09-30-22
Florida	NELAP	E87672	06-30-22
Georgia	State	10026 (NY)	03-31-22
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-22
Illinois	NELAP	200003	10-01-21
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-02-22
Kentucky (DW)	State	90029	12-31-21
Kentucky (UST)	State	30	04-01-22
Kentucky (WW)	State	KY90029	01-01-22
Louisiana	NELAP	02031	06-30-22
Maine	State	NY00044	12-05-22
Maryland	State	294	04-02-22
Massachusetts	State	M-NY044	06-30-22
Michigan	State	9937	04-01-22
Michigan	State Program	9937	04-01-09 *
Minnesota	NELAP	1524384	01-01-22
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-19-21
New Jersey	NELAP	NY455	06-30-22
New York	NELAP	10026	04-01-22
Oklahoma	State	9421	09-02-21
Oregon	NELAP	NY200003	06-12-22
Pennsylvania	NELAP	68-00281	07-31-21
Rhode Island	State	LAO00328	12-31-21
Tennessee	State	02970	03-31-22
Texas	NELAP	T104704412-18-10	07-31-21
USDA	US Federal Programs	P330-18-00039	02-06-21 *
Virginia	NELAP	460185	09-14-21
Washington	State	C784	02-10-22
Wisconsin	State	998310390	09-01-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21 *
California	State	2891	04-30-21 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-30-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-22
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	04-30-22
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL BUF
8011	EDB and DBCP in Water by Microextraction	EPA	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL PIT
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
6020A	Metals (ICP/MS)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
SM 4500 S2 F	Sulfide, Total	SM	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3020A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL PIT
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8011	Microextraction	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - App IX Sampling

Job ID: 480-187277-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187277-1	MP-279	Water	07/13/21 13:19	07/15/21 10:00
480-187288-1	MP-281	Water	07/13/21 11:34	07/14/21 10:00
480-187288-2	MP-281C	Water	07/13/21 10:19	07/14/21 10:00
480-187288-3	MP-406C	Water	07/13/21 08:44	07/14/21 10:00
480-187288-4	MP-409	Water	07/12/21 17:53	07/14/21 10:00
480-187288-5	MP-250	Water	07/12/21 15:51	07/14/21 10:00
480-187288-6	MP-244R	Water	07/12/21 13:53	07/14/21 10:00
480-187288-7	MP-241R	Water	07/12/21 11:51	07/14/21 10:00

Columbus 209

Chain of Custody Record

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

eurofins | Environment Test America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmer

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - App IX Sampling
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer
Date: 7/14/21
Carrier: ETA - CCLS

COC No: 480-162438-3180.1
1 of 1 COCs
TALS Project #:
Sampler: RJ
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)		8151A - Appendix II Herbicides	6010C, 6020A, 7470A	8260C- (MOD) Appendix IX Aber DMP	8270D - (MOD) Appendix IX SVOCs	8081B - (MOD) TCL Pest. - OLM04.2	8270D_LL - (MOD) BAP/Pentachlorophenol	8082A - (MOD) TCL PCBs - OLM04.2	9012B - Cyanide, Total	8141B - (MOD) Routine Target List	SM4500_S2_D - Sulfide	8011 - Local Method		* - field filter metals only					Sample Specific Notes:
MP-279	7/13/21	13:19	Grab	GW	23	Y*		X	X	X	X	X	X	X	X	X	X	X							

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Project No. 48002643

480-187277 Chain of Custody

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: 3.8 Corr'd: _____ Therm ID No.: #1 ICE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Eagon & Assocates, Inc.	7/14/21 1230	Gina Rivera	ETA	7-14-21 12:30
Gina Rivera	ETA	7-14-21 1700			
			Received in Laboratory by: [signature]	TA	7/15/21 1000

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Cincinnati
205

Chain of Custody Record

eurofins | Environment Testing America

Eurofins - Buffalo
Amherst, NY 14228
Ph. (716) 504-9852 Fax: (716) 691-7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact
Eagon & Associates, Inc.
100 W. Old Wilson Bridge Rd, Suite 115
Worthington, Ohio 43085
(614) 888-5760 Phone
(614) 888-5763 FAX
Project Name: DMP - App IX Sampling
Site: CECOS-Aber Rd
P O #

Project Manager: Mike Gibson
Email: mgibson@eagoninc.com
Tel/Fax: (614) 888-5760/5763

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below _____
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer

Date:
Carrier:

COC No: 480-162438-3180.1
_____ of _____ COCs
TALS Project #:
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	8151A - Appendix II Herbicides	6010C, 6020A, 7470A	8260C- (MOD) Appendix IX Aber DMP	8270D - (MOD) Appendix IX SVOCs	8081B - (MOD) TCL Pest. - OLM04.2	8270D_LL - (MOD) BAP/Pentachlorphenol	8082A - (MOD) TCL PCBs - OLM04.2	9012B - Cyanide, Total	8141B - (MOD) Routine Target List	SM4500_S2_D - Sulfide	8011 - Local Method	* - field filter metals only	Sample Specific Notes:
MP-281	7/13/21	11:34	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-281C	7/13/21	10:19	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-406C	7/13/21	8:44	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-409	7/12/21	17:53	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-250	7/12/21	15:51	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-244R	7/12/21	13:53	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		
MP-241R	7/12/21	11:51	Grab	GW	23	Y*	X	X	X	X	X	X	X	X	X	X	X		

480-187288 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: **Project No. 48002643**

#1 2.8, 3.0, 3.6, 3.1 2.9, 2.5 2.4, 3.3, 2.6

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Kyan Jones	Eagon & Assocates, Inc.	7/13/21 13:45	[signature]	Eurofins	7/13/2021 1347
[signature]	EurofinsET	7/13/2021 1530	[signature]	TAB	7/14/21 1000
			Received in Laboratory by:		

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

eurofins | Environment Testing
TestAmerica

480-187277 Waybill

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

AMHERST, NY 14228
UNITED STATES US

TO SAMPLE MGT.
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF: TA PITTSBURG

FedEx
TRK# 0201 1888 3864 5741
PRIORITY OVERNIGHT
XH AGCA
15238
PA-US
PIT

198704 17Jul

Uncorrected temp 23.6
Thermometer ID no ice
CF 6 Initials
PT-WI-SR-001 effective 11/8/18

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

8141

Chain of Custody Record

480-187277 Chain of Custody

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	COC No: 480-65184.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):	Job #: 480-187277-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 8/4/2021		
City: Pittsburgh	TAT Requested (days):		
State, Zip: PA, 15238			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:		
Email:	WO #:		
Project Name: Aber Rd. Landfill	Project #: 48002643		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8141B/3510C (MOD) Routine Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MP-279 (480-187277-1)	7/13/21	13:19 Eastern		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Unknown Courier	Date/Time: 7/16/21 1700	Company: TA	Received by:	Date/Time: 7/21/21 9:15	Company: ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 06/08/2017 7/30/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

8141

Chain of Custody Record

480-187288 Chain of Custody

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J		COC No: 480-65185.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 480-187288-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 8/3/2021			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: Aber Rd. Landfill	Project #: 48002643			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8141B/3510C (MOD) Routine Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MP-281 (480-187288-1)	7/13/21	11:34 Eastern		Water			X	1	
MP-281C (480-187288-2)	7/13/21	10:19 Eastern		Water			X	1	
MP-406C (480-187288-3)	7/13/21	08:44 Eastern		Water			X	1	
MP-409 (480-187288-4)	7/12/21	17:53 Eastern		Water			X	1	
MP-250 (480-187288-5)	7/12/21	15:51 Eastern		Water			X	1	
MP-244R (480-187288-6)	7/12/21	13:53 Eastern		Water			X	1	
MP-241R (480-187288-7)	7/12/21	11:51 Eastern		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Anthony C Kolb	7/16/21 1700	TA		Fri 7/16 14:15	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021 7/30/2021

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-187277-1

Login Number: 187277
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EAGON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-187277-1

Login Number: 187277
List Number: 2
Creator: Jodis, Matthew V

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 07/21/21 09:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	melted
Cooler Temperature is acceptable.	False	23.6°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-187277-1

Login Number: 187288
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-187277-1

Login Number: 187288
List Number: 2
Creator: Jodis, Matthew V

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 07/21/21 09:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	melted Ice
Cooler Temperature is acceptable.	False	23.6°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Quantitation Limit Exceptions Summary

Client: Republic Services Inc
Job ID: 480-187277-1
Project/Site: Aber Rd. Landfill - App IX Sampling

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8151A	Silvex (2,4,5-TP)	Water	Total/NA	ug/L	0.36	0.5
6010C	Cadmium	Water	Total/NA	mg/L	0.0010	0.002
6010C	Lead	Water	Total/NA	mg/L	0.0050	0.01
6010C	Selenium	Water	Total/NA	mg/L	0.015	0.025
6010C	Silver	Water	Total/NA	mg/L	0.0030	0.006

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-279

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 12:35

Purge/Sample Method: LF (LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric)

Well Elevation (at TOC): 910.36 (ft/msl)

Depth to Water (DTW) (from TOC): 9.60 (ft)

Groundwater Elevation (site datum, from TOC): 900.76 (ft/msl)

Total Well Depth (from TOC): 102.60 (ft)

Water Column Height (well depth - DTW): 93.00 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X - Other: ____

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other ( )

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN PUMP/TUBING/WELL CASING (circle one of each)	TOTAL VOL PURGED (Liters/Gallons) (circle one)	REMEMBER TO RECORD WELL VOLS PURGED (optional)
07/13/21	12:39	0:40	1.3	12.0	9.23

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/Gal)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
12:35	9.60						
12:39	START	0.0					400
12:59	11.79	8.0	6.93	8890	15.0		200
13:04	11.38	9.0	6.92	9056	16.3		
13:09	11.22	10.0	6.92	9204	16.7		
13:14	11.13	11.0	6.93	9273	16.8		
13:19	11.11	12.0	6.93	9294	16.8	5.75	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L/Gal)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	13:19	12.0	6.93	9294	16.8	5.75	200

Sample Appearance: clear Odor: none Color: none Other: ____

Weather Conditions (at sample time): Wind Speed / Direction: 0-13 MPH S Air Temp: 77°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.12

ORP (mV) = -58.2

FIELD COMMENTS

Refill: 10 sec → 25 sec

Discharge: 5 sec @ 50 psi → 5 sec @ 50 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date — Lyon Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 1110

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 953 (ft/msl)

Depth to Water (DTW) (from TOC): 179.0 (ft)

Groundwater Elevation (site datum, from TOC): 895.63 (ft/msl)

Total Well Depth (from TOC): 726.0 (ft)

Water Column Height (well depth - DTW): 547.0 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	TOTAL VOL PURGED (L, Gal) circle one	PUMP/TUBING/WELL VOLS PURGED (optional)
07/13/21	1114	0020	09	80	8.2

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L, Gal)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1110	179.0						
1114	START	100					400
1124	191.1	40	7.19	1677	15.2		
1129	191.5	60	7.21	1669	15.2		
1134	191.9	80	7.22	1661	15.2	445	V

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L, Gal)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	1134	80	7.22	1661	15.2	445	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW Air Temp: 77°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08
ORP (mV) = -89.2

FIELD COMMENTS

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date — Kyen Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281C

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 0954

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 914.12 (ft/msl)

Depth to Water (DTW) (from TOC): 18.55 (ft)

Groundwater Elevation (site datum, from TOC): 895.57 (ft/msl)

Total Well Depth (from TOC): 62.80 (ft)

Water Column Height (well depth - DTW): 44.25 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other ( )

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other ( )

X - Other: —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP/TUBING; WELL CASING) circle one of each	TOTAL VOL PURGED (Liters, Gallons) circle one	PUMP/TUBING; WELL VOLS PURGED (optional)
07/13/21	0959	0020	09	80	8.8

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L, Gal)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
0954	18.55						
0959	START	100					400
1009	18.57	140	7.13	1286	15.2		
1014	18.58	160	7.10	1294	15.0		
1019	18.57	180	7.09	1293	15.1	3.25	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L, Gal)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	1019	180	7.09	1293	15.1	3.25	400

Sample Appearance: clear

Odor: none

Color: none

Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW

Air Temp: 75°F

Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.19
ORP (mV) = -63.9

FIELD COMMENTS

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date

Ryan Jones Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Ager Rd

Sample Point: MP-406C

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 0811 9

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 9174 0 (ft/msl)

Depth to Water (DTW) (from TOC): 2146 (ft)

Groundwater Elevation (site datum, from TOC): 895 9 4 (ft/msl)

Total Well Depth (from TOC): 6760 (ft)

Water Column Height (well depth - DTW): 4614 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

X - Other: —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING/WELL CASING) circle one or both	TOTAL VOL PURGED (Liters/Gallons) circle one	PURGE TIME/WELL VOLS PURGED (optional)
07/13/21	0828	0016	10	64	6.4 0

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (ml/min)
0811 9	2146						
0828	START	100					400
0838	2148	140	716	11107	149		
0841	2147	152	715	11107	149		
0844	2147	164	715	11108	150	230	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L/Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	0844	164	715	11108	150	230	400

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-9 MPH S Air Temp: 72°F Precipitation: (Y) or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.24
ORP (mV) = -65.0

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

EA-300 0/00

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-409

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1728

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 911.83 (ft/msl)

Depth to Water (DTW) (from TOC): 9.47 (ft)

Groundwater Elevation (site datum, from TOC): 902.36 (ft/msl)

Total Well Depth (from TOC): 81.70 (ft)

Water Column Height (well depth - DTW): 72.23 (ft)

Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X - Other: —

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other ( )

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	TOTAL VOL PURGED (Liters/Gallons) circle one	PUMP/TUBING/WELL VOLS PURGED (optional)
07/12/21	1733	0:32:10	12	40	3.33

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1728	9.47	—	—	—	—	—	—
1733	START	0.0	—	—	—	—	200
1743	9.97	2.0	7.20	955	16.2	—	↓
1748	10.02	3.0	7.25	944	16.1	—	↓
1753	10.03	4.0	7.26	934	15.9	7.96	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1753	4.0	7.26	934	15.9	7.96	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 82°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.22
ORP (mV) = -42.0

FIELD COMMENTS

Refill: 27 sec
Discharge: 3 sec @ 60 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

Date: 07/12/21 Name: Ryan Jones Signature: [signature]

EAGON & ASSOCIATES, INC.

-200 (3/20)

FIELD INFORMATION FORM

Site Name: CECOS - Alger Rd

Sample Point: MP-250

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1523

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 910.07 (ft/msl)

Depth to Water (DTW) (from TOC): 12.67 (ft)

Groundwater Elevation (site datum, from TOC): 897.40 (ft/msl)

Total Well Depth (from TOC): 57.90 (ft)

Water Column Height (well depth - DTW): 45.23 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ (circle or fill in)

Purging Device: C — A-Submersible Pump, B-Peristaltic Pump, D-Bailer, E-Piston Pump

Sampling Device: C — C-Bladder Pump, F-Dipper/Bottle

Pump Type (Vol): B — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other ( )

Tubing ID (Vol/Ft): B — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other ( )

X - Other: —

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L, Gal) IN (PUMP TUBING, WELL CASING) circle one of each	TOTAL VOL PURGED (Liters, Gallons) circle one	PUMP TUBING+WELL VOLS PURGED (optional)
07/12/21	1531	0020	09	60	666

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L, Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1523	12.67						
1531	START	00					300
1532 (20)	13.32	30	7.35	1018	156		
1546	13.39	45	7.27	1018	159		
1551	13.47	60	7.23	1019	158	2.10	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L, Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1551	60	7.23	1019	158	2.10	300

Sample Appearance: Clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 83°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.15
ORP (mV) = -52.9

FIELD COMMENTS

Refill: 12 sec
Discharge: 3 sec @ 35 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 — Date
Ryan Jones — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-244R

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1328

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 909.73 (ft/msl)

Depth to Water (DTW) (from TOC): 123.7 (ft)

Groundwater Elevation (site datum, from TOC): 897.36 (ft/msl)

Total Well Depth (from TOC): 672.0 (ft)

Water Column Height (well depth - DTW): 548.3 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or ____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

X - Other: ____

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	TOTAL VOL PURGED (Liters / Gallons) circle one	PUMP/TUBING/WELL VOLS PURGED (optional)
07/12/21	1331	00:22	10	74	746

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1328	123.7						
1331	START	100					500
1341	136.4	150	7.58	1526	15.9		200
1345	136.1	158	7.56	1512	16.4		
1349	135.7	166	7.55	1524	16.7		
1353	135.4	174	7.53	1539	16.5	2.83	✓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1353	174	7.53	1539	16.5	2.83	200

Sample Appearance: clear Odor: none Color: none Other: ____

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 80°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.32
ORP (mV) = -63.9

FIELD COMMENTS

Refill: 12 sec → 12 sec
Discharge: 3 sec @ 46 psi → 3 sec @ 30 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241R

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 11:16

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC): 913.57 (ft/msl)

Depth to Water (DTW) (from TOC): 16.51 (ft)

Groundwater Elevation (site datum, from TOC): 897.06 (ft/msl)

Total Well Depth (from TOC): 60.40 (ft)

Water Column Height (well depth - DTW): 43.89 (ft)

Casing ID: 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ (circle or fill in)

Purging Device: C

Sampling Device: C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other: —

Pump Type (Vol): B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft): B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hr:min)	WATER VOL. (L/Gal) IN (PUMP/TUBING/WELL CASING) circle one of each	TOTAL VOL PURGED (Liters/Gallons) circle one	PUMP/TUBING/WELL VOLS PURGED (optional)
07/12/21	11:19	00:35	19	212	212

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
11:16	16.51	—	—	—	—	—	—
11:19	START	100	—	—	—	—	100
11:39	23.11	200	8.64	915	16.0	—	100
11:43	23.13	204	8.72	909	17.9	—	—
11:47	23.16	208	8.74	908	18.0	—	—
11:51	23.19	212	8.68	924	18.0	6.61	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L/Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	11:51	212	8.68	924	18.0	6.61	100

FIELD COMMENTS

Sample Appearance: clear

Odor: none

Color: none

Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW

Air Temp: 78°F

Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.24
ORP (mV) = 30.4

Refill: 9 sec → 27 sec
Discharge: 6 sec @ 40 psi → 3 sec @ 30 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date

Ryan Jones Name

Signature

EAGON & ASSOCIATES, INC.

EA-200-0326

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-241R

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1116

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.57 (ft/msl)

Depth to Water (DTW) (from TOC) 16.51 (ft)

Groundwater Elevation (site datum, from TOC) 897.06 (ft/msl)

Total Well Depth (from TOC) 60.40 (ft)

Water Column Height (well depth - DTW) 43.89 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters/Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
07/12/21	1119	00:35	10	212	2:2

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1116	16.51	—	—	—	—	—	—
1119	START	100	—	—	—	—	1000
1139	23.11	200	8.64	915	16.0	—	100
1143	23.13	204	8.72	909	17.9	—	↓
1147	23.16	208	8.74	908	18.0	—	↓
1151	23.19	212	8.68	924	18.0	6.61	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L/Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1151	212	8.68	924	18.0	6.61	100

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW Air Temp: 78°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.24
ORP (mV) = 30.4

Refill: 9 sec ——> 27 sec
Discharge: 6 sec @ 40 psi -> 3 sec @ 30 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date — Ryan Jones Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-244R

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1328

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 909.73 (ft/msl)

Depth to Water (DTW) (from TOC) 12.37 (ft)

Groundwater Elevation (site datum, from TOC) 897.36 (ft/msl)

Total Well Depth (from TOC) 67.20 (ft)

Water Column Height (well depth - DTW) 54.83 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
07/12/21	1331	00:22	10	74	7.40

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1328	12.37						
1331	START	00					500
1341	13.64	50	7.58	1526	15.9		200
1345	13.61	58	7.56	1512	16.4		↓
1349	13.57	66	7.55	1524	16.7		↓
1353	13.54	74	7.53	1539	16.5	2.83	✓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1353	74	7.53	1539	16.5	2.83	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 80°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.32
ORP (mV) = -63.9

FIELD COMMENTS

Refill: 12 sec ——> 12 sec
Discharge: 3 sec @ 40 psi -> 3 sec @ 30 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-250

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 1523

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.07 (ft/msl)

Depth to Water (DTW) (from TOC) 12.67 (ft)

Groundwater Elevation (site datum, from TOC) 897.40 (ft/msl)

Total Well Depth (from TOC) 579.0 (ft)

Water Column Height (well depth - DTW) 452.3 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TURBING:WELL VOLS PURGED *(optional)*
07/12/21	1531	00:20	09	60	666

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1523	12.67	—	—	—	—	—	—
1531	START	00	—	—	—	—	300
1536 (20)	13.32	30	7.35	1018	15.6	—	↓
1546	13.39	45	7.27	1018	15.9	—	↓
1551	13.47	60	7.23	1019	15.8	2.10	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	1551	60	7.23	1019	15.8	2.10	300

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 83°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.15
ORP (mV) = -52.9

Refill: 12 sec

Discharge: 3 sec @ 35 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date

Ryan Jones Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-279

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 12:35

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 910.36 (ft/msl)

Depth to Water (DTW) (from TOC) 9.60 (ft)

Groundwater Elevation (site datum, from TOC) 900.76 (ft/msl)

Total Well Depth (from TOC) 102.60 (ft)

Water Column Height (well depth - DTW) 93.00 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING / WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TUBING / WELL VOLS PURGED *(optional)*
07/13/21	12:39	00:40	13	120	9.23

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
12:35	9.60	—	—	—	—	—	—
12:39	START	100	—	—	—	—	400
12:59	11.79	80	6.93	8890	15.0	—	200
13:04	11.38	90	6.92	9056	16.3	—	↓
13:09	11.22	100	6.92	9204	16.7	—	↓
13:14	11.13	110	6.93	9273	16.8	—	↓
13:19	11.11	120	6.93	9294	16.8	5.75	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	13:19	120	6.93	9294	16.8	5.75	200

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-13 mph S Air Temp: 77°F Precipitation: (Y) or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.12
ORP (mV) = -58.2
Refill: 10 sec → 25 sec
Discharge: 5 sec @ 50 psi → 5 sec @ 50 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

Date	Name	Signature
07/13/21	Ryan Jones	[signature]

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP - 281

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 1110

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 913.53 (ft/msl)

Depth to Water (DTW) (from TOC) 17.90 (ft)

Groundwater Elevation (site datum, from TOC) 895.63 (ft/msl)

Total Well Depth (from TOC) 72.60 (ft)

Water Column Height (well depth - DTW) 54.70 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TURBING:WELL VOLS PURGED *(optional)*
07/13/21	1114	00:20	09	80	882

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1110	1790						
1114	START	100					400
1124	1911	40	719	1677	152		
1129	1915	60	721	1669	152		
1134	1919	80	722	1661	152	445	V

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	1134	80	722	1661	152	445	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW Air Temp: 77°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.08
ORP (mV) = -89.2

FIELD COMMENTS

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-281C

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 09:54

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 914.12 (ft/msl)

Depth to Water (DTW) (from TOC) 18.55 (ft)

Groundwater Elevation (site datum, from TOC) 895.57 (ft/msl)

Total Well Depth (from TOC) 628.0 (ft)

Water Column Height (well depth - DTW) 44.25 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING : WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING : WELL VOLS PURGED *(optional)*
07/13/21	09:59	00:20	09	80	8.88

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
09:54	18.55						
09:59	START	00					400
10:09	18.57	40	7.13	1286	15.2		
10:14	18.58	60	7.10	1294	15.0		
10:19	18.57	80	7.09	1293	15.1	3.25	

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	10:19	80	7.09	1293	15.1	3.25	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH SSW Air Temp: 75°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.19
ORP (mV) = -63.9

FIELD COMMENTS

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date

Ryan Jones Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Ager Rd

Sample Point: MP-406C

WELL DATA

Water-Level Date: 07/13/21 (MM/DD/YY)

Water-Level Time: 08:19

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 917.40 (ft/msl)

Depth to Water (DTW) (from TOC) 21.46 (ft)

Groundwater Elevation (site datum, from TOC) 895.94 (ft/msl)

Total Well Depth (from TOC) 67.60 (ft)

Water Column Height (well depth - DTW) 46.14 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: (Y) or N (0.45µ) or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TURBING:WELL VOLS PURGED *(optional)*
07/13/21	08:28	00:16	10	64	6.40

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
08:19	21.46						
08:28	START	100					400
08:38	21.48	140	7.16	11107	14.9		
08:41	21.47	52	7.15	11107	14.9		
08:44	21.47	64	7.15	11108	15.0	2.30	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/13/21	08:44	64	7.15	11108	15.0	2.30	400

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-9 MPH S Air Temp: 72°F Precipitation: (Y) or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.24
ORP (mV) = -65.0

FIELD COMMENTS

Refill: 11 sec
Discharge: 4 sec @ 40 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/13/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

EA-200 0320

FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-409

WELL DATA

Water-Level Date: 07/12/21 (MM/DD/YY)

Water-Level Time: 17:28

Purge/Sample Method: LF
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 911.83 (ft/msl)

Depth to Water (DTW) (from TOC) 9.47 (ft)

Groundwater Elevation (site datum, from TOC) 902.36 (ft/msl)

Total Well Depth (from TOC) 817.0 (ft)

Water Column Height (well depth - DTW) 722.3 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or _____ µ *(circle or fill in)*

Purging Device C

Sampling Device C

A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X - Other —

Pump Type (Vol) B
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other ( )

Tubing ID (Vol/Ft) B
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L / Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters / Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*
07/12/21	17:33	00:20	12	40	3.33

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L / Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
17:28	9.47	—	—	—	—	—	—
17:33	START	10.0	—	—	—	—	200
17:43	9.97	20	7.20	955	16.2	—	↓
17:48	10.02	30	7.25	944	16.1	—	↓
17:53	10.03	40	7.26	934	15.9	7.96	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L / Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
07/12/21	17:53	40	7.26	934	15.9	7.96	200

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0-10 MPH S Air Temp: 82°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): D.O. (mg/L) = 0.22
ORP (mV) = -42.0

FIELD COMMENTS

Refill: 27 sec
Discharge: 3 sec @ 60 psi

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

07/12/21 Date | Ryan Jones Name | Signature

EAGON & ASSOCIATES, INC.

-200 0320

FIELD METER CALIBRATION RECORD

Project Name: *CECOS-Aber Rd Facility* Sampler(s): R. Jones

pH Meter(s): Make/Model/Serial No: Insitu / Aqua Troll 400 / 656364

Buffer Brand/Expiration: pH 4 WO / 10-18-22 ; pH 7 WO / 11-22-22 ; pH 10 WO / 4-10-22

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
7/12/21	9:08	Calibrate	4.01	7.06	10.08	23.3
7/13/21	7:46	Calibrate	4.01	6.99	9.95	26.2

Conductivity/Temp. Meter(s): Make/Model/Serial No: Insitu / Aqua Troll 400 / 656364

Cond. Solution Brand/Expiration: WO / 10-16-21 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
7/12/21	9:11	Calibrate	1414	23.6	
7/13/21	7:49	Calibrate	1412	26.1	

Turbidity Meter(s): Make/Model/Serial No.: Hach / 2100Q / 18090C069914

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
7/12/21	9:20	Check	6.69	6.76	
7/13/21	8:14	Check	6.69	6.96	

Sampler (Name): Ryan Jones Sampler (Signature): Ryan J

Sampler (Name): Sampler (Signature):

FIELD METER CALIBRATION RECORD

Project Name: *CECOS - Aber Rd Facility* Sampler(s): R. Jones

D.O. Meter(s): Make/Model/Serial No: Insitu / Aqua Troll 400 / 656364

Zero-O_2 Solution Brand/Expiration: — / —

Date	Time	Calibrate/Check	Calibration Media	H_2O-Saturated Air Result (%:mg/l)	Zero-O_2 Result (mg/l)	Temp. (°C)
7/12/21	9:15	Calibrate	H_2O Sat. Air	99.88 , 8.15	0.05	25.5
7/13/21	8:00	Calibrate	H_2O Sat. Air	98.65 , 7.87	0.06	26.2

O.R.P. Meter(s): Make/Model/Serial No: Insitu / Aqua Troll 400 / 656364

Solution Brand/Expiration: Hariba / — Solution Value (@ 25 °C): 89.0

Date	Time	Calibrate/Check	ORP Standard @ Temp. (mV)	ORP Result (millivolts)	Temp. of Solution (°C)	Notes:
7/12/21	9.18	Calibrate	89.0	78.9	25.3	
7/13/21	8:02	Calibrate	88.0	86.2	26.7	

Other Meter(s): Make/Model/Serial No.:

Date	Time	Calibrate/Check			Notes:

Sampler (Name): Ryan Jones Sampler (Signature): [signature]

Sampler (Name): Sampler (Signature):

ATTACHMENT 2

mg/L

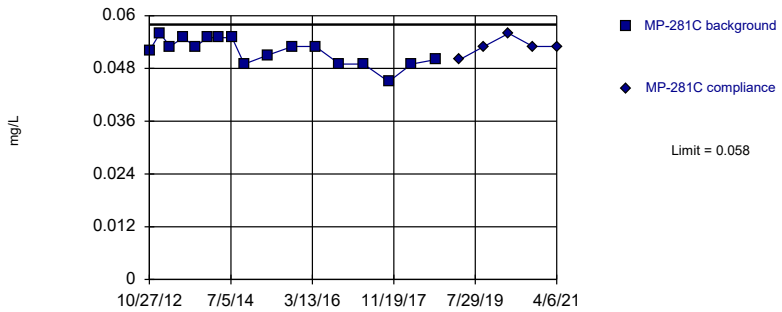
Apr 6010 = 0.16 mg/L
Apr 6020 = 0.14 mg/L (pass)
6020 = 12.5% lower

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05188, Std. Dev.=0.003018, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.851. Kappa = 1.862 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

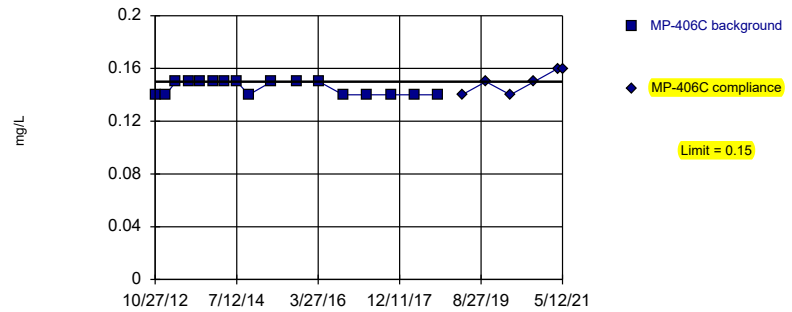
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

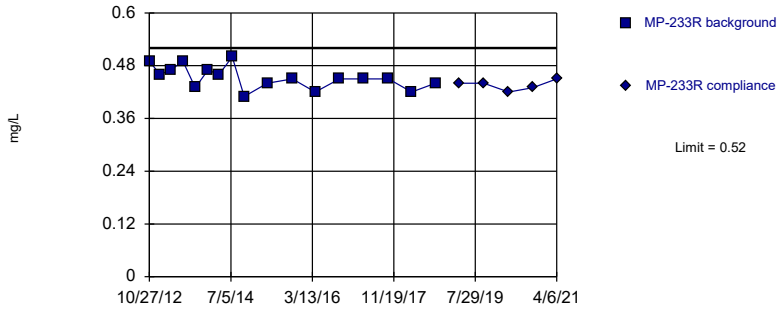
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4529, Std. Dev.=0.02568, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9642, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

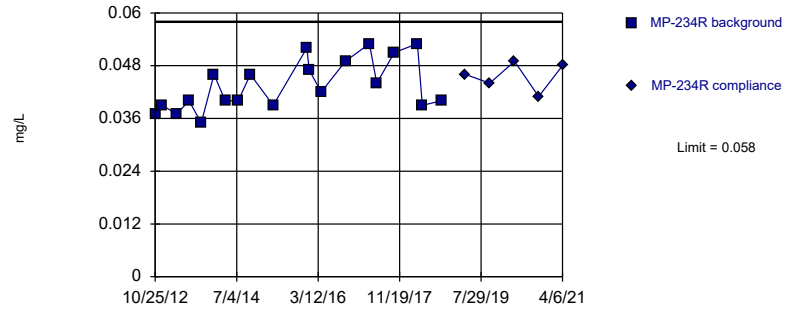
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04345, Std. Dev.=0.005772, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9095, critical = 0.868. Kappa = 2.472 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

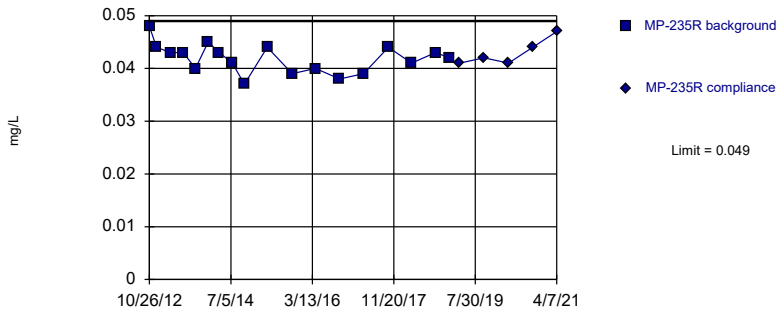
Apr 6010 = 0.050 mg/L
Apr 6020 = 0.043 mg/L (pass)
6020 = 14% lower
6010 resample passed

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04189, Std. Dev.=0.002763, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9698, critical = 0.858. Kappa = 2.538 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

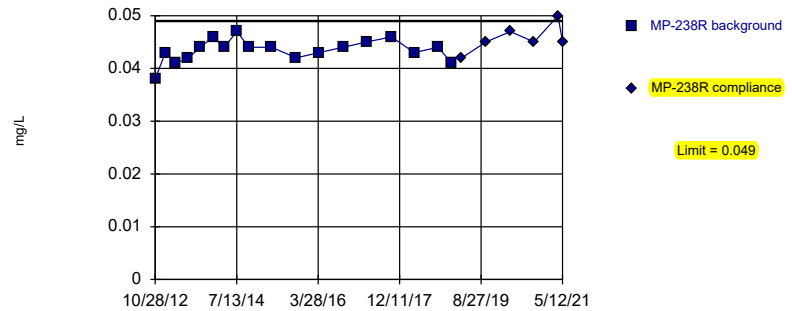
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Pre

Intrawell Parametric



Background Data Summary: Mean=0.04339, Std. Dev.=0.002118, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9425, critical = 0.858. Kappa = 2.538 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

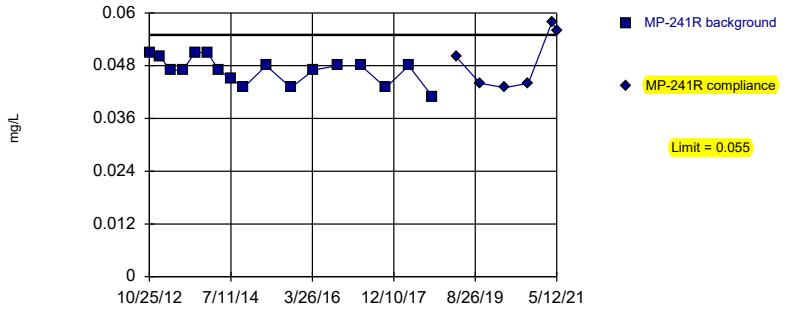
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Apr 6010 = 0.058 mg/L
Apr 6020 = 0.055 mg/L (pass)
6020 = 5.2% lower

Sanitas™ v.9.6.28 Software licensed to

Exceeds Limit

Intrawell Parametric



Background Data Summary: Mean=0.04694, Std. Dev.=0.003051, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.917, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

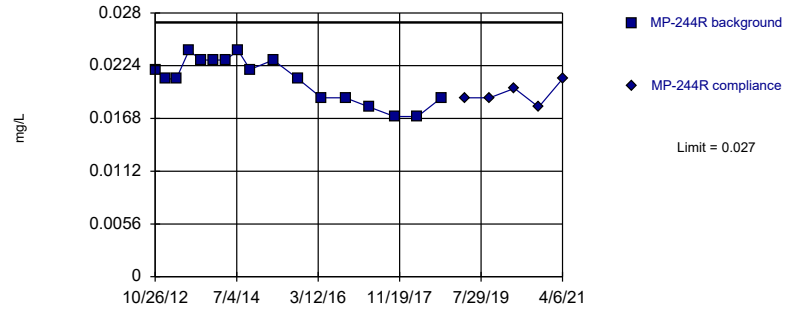
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02094, Std. Dev.=0.002358, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9098, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

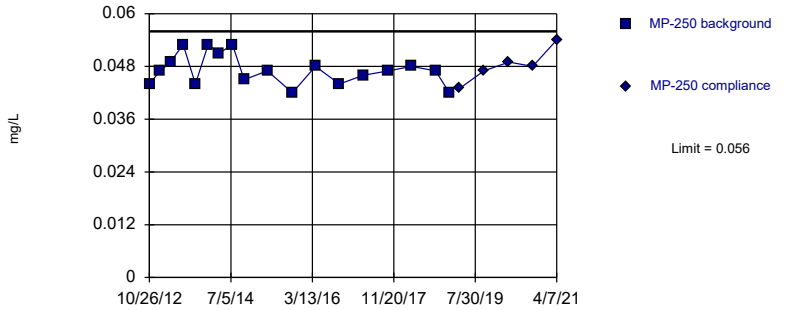
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04722, Std. Dev.=0.003524, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.927, critical = 0.858. Kappa = 2.538 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

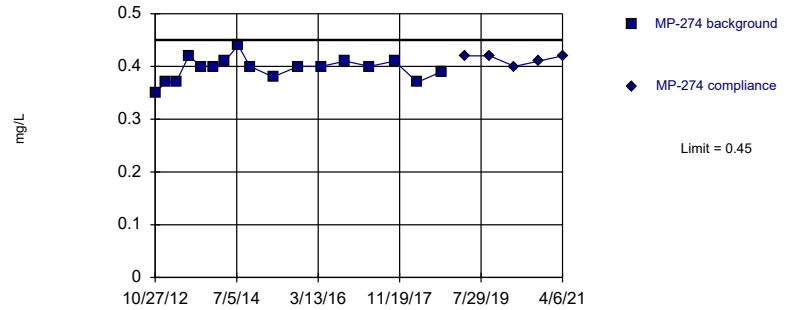
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



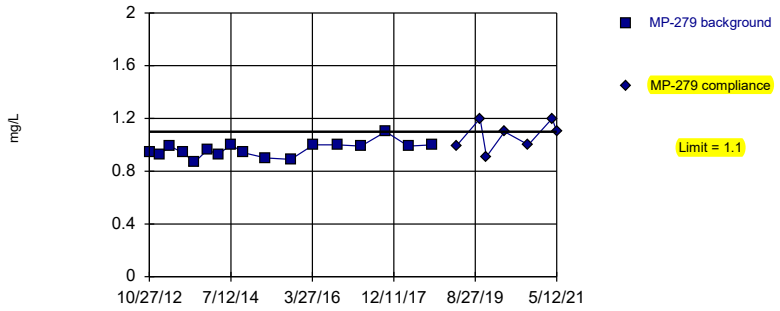
Background Data Summary: Mean=0.3953, Std. Dev.=0.02183, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Apr 6010 = 1.2 mg/L
Apr 6020 = 1.1 mg/L (pass)
6020 = 8.3% lower
6010 resample passed

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit



Background Data Summary: Mean=0.9629, Std. Dev.=0.05486, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9265, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

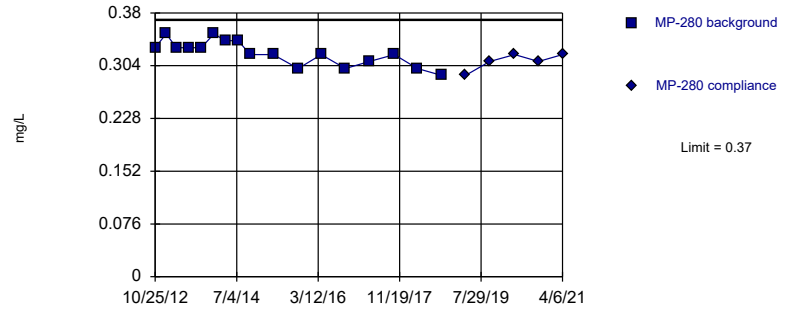
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3224, Std. Dev.=0.01786, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

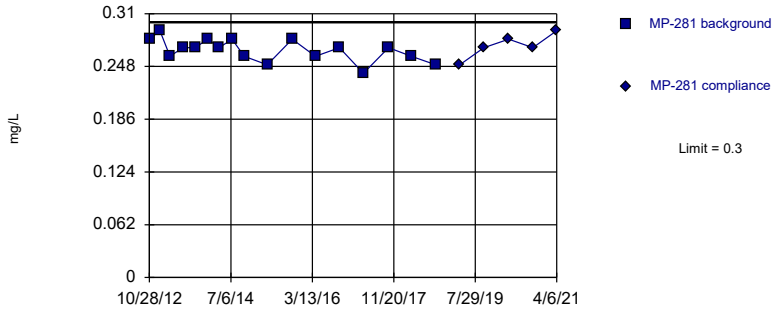
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2671, Std. Dev.=0.01312, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9499, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

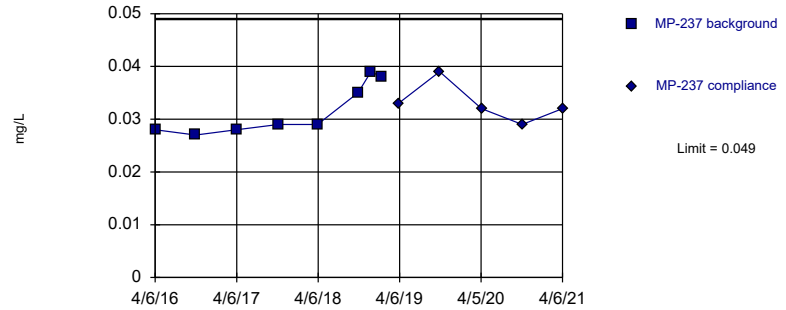
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03163, Std. Dev.=0.004897, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.808, critical = 0.749. Kappa = 3.524 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

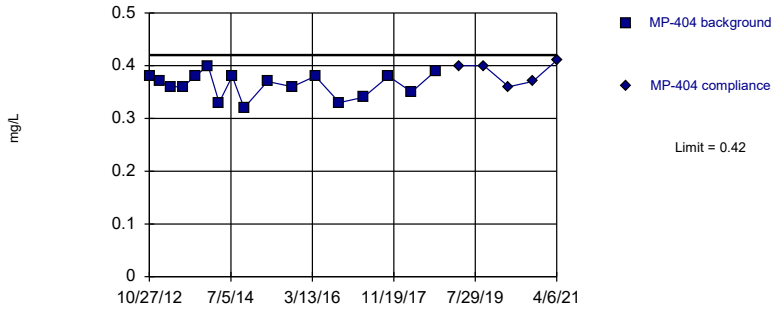
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.3635, Std. Dev.=0.0229, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9365, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

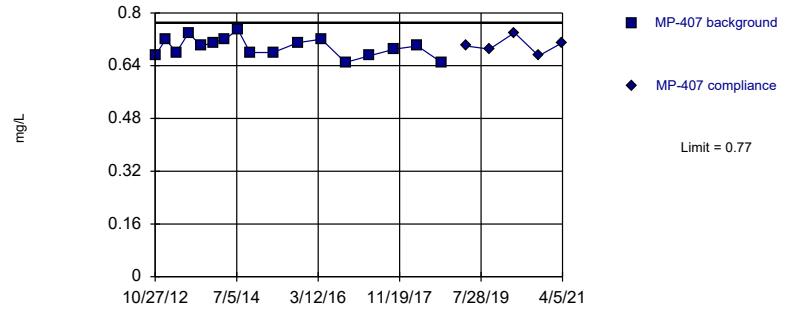
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6965, Std. Dev.=0.02893, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

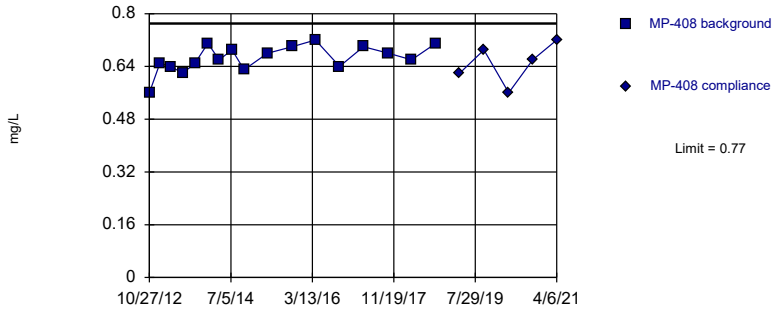
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6647, Std. Dev.=0.04079, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.851. Kappa = 2.571 (c=8, w=16, 1 of 2, event alpha = 0.05132). Report alpha = 0.0004115.

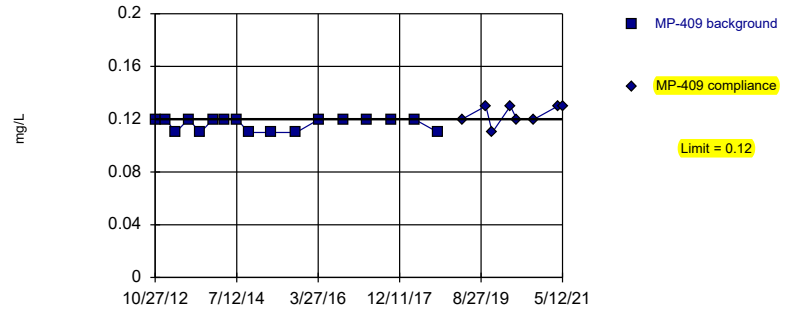
Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Apr 6010 = 0.13 mg/L
Apr 6020 = 0.12 mg/L (pass)
6020 = 7.7% lower

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, In

Exceeds Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:49 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 6/2/2021, 3:52 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Arsenic Dissolved (mg/L)	MP-233R	0.011	n/a	4/6/2021	0.0021	No	23	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-234R	0.014	n/a	4/6/2021	0.0005ND	No	25	4	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-235R	0.0054	n/a	4/7/2021	0.0005ND	No	22	9.091	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-238R	0.0010	n/a	4/7/2021	0.0005ND	No	22	100	n/a	0.003707	NP Intra (NDs) 1 of 2
Arsenic Dissolved (mg/L)	MP-241R	0.003	n/a	4/6/2021	0.0005ND	No	21	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-244R	0.0059	n/a	4/6/2021	0.0005ND	No	21	9.524	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-250	0.0038	n/a	4/7/2021	0.0011	No	22	9.091	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-274	0.0039	n/a	4/6/2021	0.0005ND	No	21	4.762	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-279	0.043	n/a	4/7/2021	0.0005ND	No	35	2.857	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-280	0.033	n/a	4/6/2021	0.025	No	46	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-281	0.004	n/a	4/6/2021	0.0005ND	No	21	4.762	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-237	0.0019	n/a	4/6/2021	0.0005ND	No	18	16.67	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-404	0.0058	n/a	4/6/2021	0.0015	No	17	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-407	0.0073	n/a	4/5/2021	0.0005ND	No	16	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-408	0.1	n/a	4/6/2021	0.076	No	17	0	No	0.000...	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-409	0.0033	n/a	4/6/2021	0.0018	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-233R	0.52	n/a	4/6/2021	0.45	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-234R	0.058	n/a	4/6/2021	0.048	No	20	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-235R	0.049	n/a	4/7/2021	0.047	No	18	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-238R	0.049	n/a	5/12/2021	0.045	No	18	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	**MP-241R**	**0.055**	**n/a**	**5/12/2021**	**0.056**	**Yes**	**17**	**0**	**No**	**0.000...**	**Param Intra 1 of 2**
Barium Dissolved (mg/L)	MP-244R	0.027	n/a	4/6/2021	0.021	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-250	0.056	n/a	4/7/2021	0.054	No	18	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-274	0.45	n/a	4/6/2021	0.42	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-279	1.1	n/a	5/12/2021	1.1	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-280	0.37	n/a	4/6/2021	0.32	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281	0.3	n/a	4/6/2021	0.29	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-237	0.049	n/a	4/6/2021	0.032	No	8	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-404	0.42	n/a	4/6/2021	0.41	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-407	0.77	n/a	4/5/2021	0.71	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-408	0.77	n/a	4/6/2021	0.72	No	17	0	No	0.000...	Param Intra 1 of 2
Barium Dissolved (mg/L)	**MP-409**	**0.12**	**n/a**	**5/12/2021**	**0.13**	**Yes**	**17**	**0**	**n/a**	**0.005914**	**NP Intra (normality) ...**
Cadmium Dissolved (mg/L)	MP-233R	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-234R	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-235R	0.0010	n/a	4/7/2021	0.0005ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-238R	0.0010	n/a	4/7/2021	0.0005ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-241R	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-244R	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-250	0.0010	n/a	4/7/2021	0.0005ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-274	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-279	0.0010	n/a	4/7/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-280	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-281	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-237	0.0010	n/a	4/6/2021	0.0005ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-404	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-407	0.0010	n/a	4/5/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-408	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-409	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-233R	0.0096	n/a	4/6/2021	0.0025ND	No	46	95.65	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-234R	0.0057	n/a	4/6/2021	0.0025ND	No	45	97.78	n/a	0.000...	NP Intra (NDs) 1 of 2

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 6/2/2021, 3:52 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Chromium Dissolved (mg/L)	MP-235R	0.0075	n/a	4/7/2021	0.0025ND	No	48	95.83	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-238R	0.0050	n/a	4/7/2021	0.0025ND	No	47	100	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-241R	0.0050	n/a	4/6/2021	0.0025ND	No	46	100	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-244R	0.0071	n/a	4/6/2021	0.0025ND	No	46	97.83	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-250	0.0050	n/a	4/7/2021	0.0025ND	No	46	100	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-274	0.0078	n/a	4/6/2021	0.0025ND	No	47	95.74	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-279	0.0050	n/a	4/7/2021	0.0025ND	No	44	100	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-280	0.0084	n/a	4/6/2021	0.0025ND	No	47	95.74	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281	0.0071	n/a	4/6/2021	0.0025ND	No	47	95.74	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-237	0.0050	n/a	4/6/2021	0.0025ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-404	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-407	0.0050	n/a	4/5/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-408	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-409	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-233R	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-234R	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-235R	0.0050	n/a	4/7/2021	0.0025ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-238R	0.0050	n/a	4/7/2021	0.0025ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-241R	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-244R	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-250	0.0050	n/a	4/7/2021	0.0025ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-274	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-279	0.0050	n/a	4/7/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-280	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-237	0.0050	n/a	4/6/2021	0.0025ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-404	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-407	0.0050	n/a	4/5/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-408	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-409	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-233R	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-234R	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-235R	0.00020	n/a	4/7/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-238R	0.00020	n/a	4/7/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-241R	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-244R	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-250	0.00020	n/a	4/7/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-274	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-279	0.00020	n/a	4/7/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-280	0.00020	n/a	4/6/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-237	0.00020	n/a	4/6/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-404	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-407	0.00020	n/a	4/5/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-408	0.00020	n/a	4/6/2021	0.0001ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-409	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-233R	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-234R	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-235R	0.015	n/a	4/7/2021	0.0075ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-238R	0.015	n/a	4/7/2021	0.0075ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - BTI Printed 6/2/2021, 3:52 PM

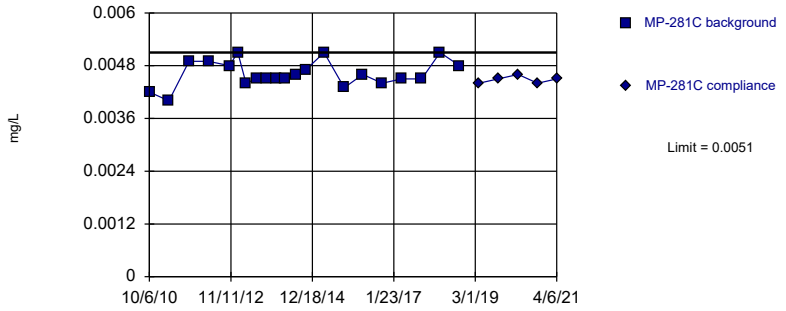
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Selenium Dissolved (mg/L)	MP-241R	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-244R	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-250	0.015	n/a	4/7/2021	0.0075ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-274	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-279	0.015	n/a	4/7/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-280	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-237	0.015	n/a	4/6/2021	0.0075ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-404	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-407	0.015	n/a	4/5/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-408	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-409	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-233R	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-234R	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-235R	0.0030	n/a	4/7/2021	0.0015ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-238R	0.0030	n/a	4/7/2021	0.0015ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-241R	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-244R	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-250	0.0030	n/a	4/7/2021	0.0015ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-274	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-279	0.0030	n/a	4/7/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-280	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-237	0.0030	n/a	4/6/2021	0.0015ND	No	18	100	n/a	0.005373	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-404	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-407	0.0030	n/a	4/5/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-408	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-409	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004614, Std. Dev.=0.0002971, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9499, critical = 0.873. Kappa = 1.797 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats

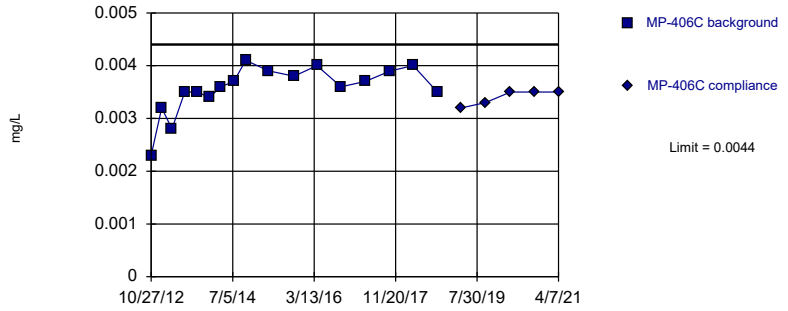
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003559, Std. Dev.=0.000457, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8669, critical = 0.851. Kappa = 1.862 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Arsenic Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats

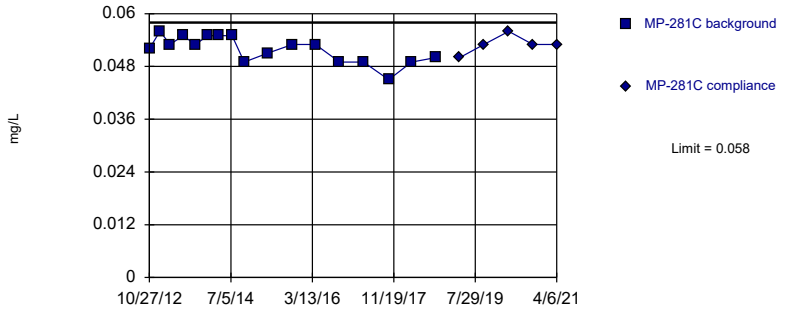
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05188, Std. Dev.=0.003018, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9189, critical = 0.851. Kappa = 1.862 (c=8, w=2, 1 of 2, event alpha = 0.05132). Report alpha = 0.003287.

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats

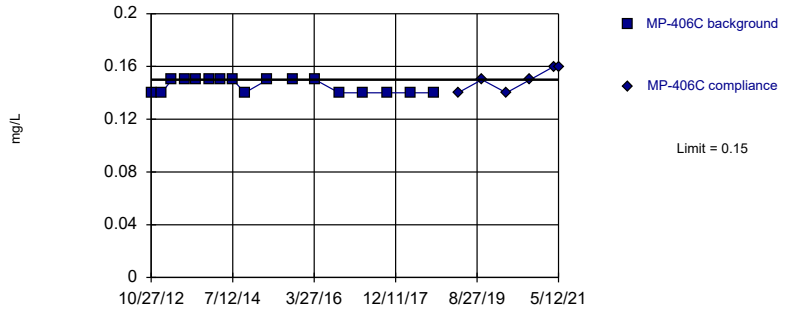
Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Sanitas™ v.9.6.28 Software licensed to Eagon & Associates, Inc. UG

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Barium Dissolved Analysis Run 6/2/2021 3:07 PM View: Stats

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS

Prediction Limit

Aber Road Landfill Client: Aber Road Landfill Data: Aber Road - CS Printed 6/2/2021, 3:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Arsenic Dissolved (mg/L)	MP-281C	0.0051	n/a	4/6/2021	0.0045	No	21	0	No	0.003287	Param Intra 1 of 2
Arsenic Dissolved (mg/L)	MP-406C	0.0044	n/a	4/7/2021	0.0035	No	17	0	No	0.003287	Param Intra 1 of 2
Barium Dissolved (mg/L)	MP-281C	0.058	n/a	4/6/2021	0.053	No	17	0	No	0.003287	Param Intra 1 of 2
Barium Dissolved (mg/L)	**MP-406C**	**0.15**	**n/a**	**5/12/2021**	**0.16**	**Yes**	**17**	**0**	**n/a**	**0.005914**	**NP Intra (normality) ...**
Cadmium Dissolved (mg/L)	MP-281C	0.0010	n/a	4/6/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium Dissolved (mg/L)	MP-406C	0.0010	n/a	4/7/2021	0.0005ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-281C	0.0050	n/a	4/6/2021	0.0025ND	No	48	100	n/a	0.000...	NP Intra (NDs) 1 of 2
Chromium Dissolved (mg/L)	MP-406C	0.0050	n/a	4/7/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-281C	0.0050	n/a	4/6/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead Dissolved (mg/L)	MP-406C	0.0050	n/a	4/7/2021	0.0025ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-281C	0.00020	n/a	4/6/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Mercury Dissolved (mg/L)	MP-406C	0.00020	n/a	4/7/2021	0.0001ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-281C	0.015	n/a	4/6/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium Dissolved (mg/L)	MP-406C	0.015	n/a	4/7/2021	0.0075ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-281C	0.0030	n/a	4/6/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2
Silver Dissolved (mg/L)	MP-406C	0.0030	n/a	4/7/2021	0.0015ND	No	17	100	n/a	0.005914	NP Intra (NDs) 1 of 2

ATTACHMENT 3

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-183180-1
Client Project/Site: Aber Rd. Landfill - DMP Semiannual
Revision: 1

For:
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Attn: Mr. Andrew Thompson

Authorized for release by:
6/23/2021 12:48:16 PM

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Brian Fischer
Manager of Project Management
6/23/2021 12:48:16 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 6
Client Sample Results 9
Surrogate Summary 124
QC Sample Results 127
QC Association 151
Chronicle 170
Certification Summary 191
Method Summary 192
Sample Summary 193
Chain of Custody 194
Receipt Checklists 211
Detection Limit Exceptions Summary 213
Field Data Sheets 214

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job ID: 480-183180-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-183180-1

Comments
This report has been revised to include barium results via method 6020.

Receipt
The samples were received on 4/8/2021 8:00 AM and 4/12/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 18 coolers at receipt time were 2.0º C, 2.1º C, 2.1º C, 2.2º C, 2.4º C, 2.6º C, 2.8º C, 2.9º C, 3.0º C, 3.0º C, 3.1º C, 3.2º C, 3.3º C, 10.8º C, 13.2º C, 18.3º C, 18.7º C and 19.6º C.

Receipt Exceptions

SAMPLE IDS LISTED ON COC VS CONTAINER LABES DID NOT MATCH. MP-304A ON COC LISTED AS MP-403A ON CONTAINERS. MP-203A ON COC LISTED AS MP-230A ON CONTAINERS. IDS LISTED ON COC USED FOR LOGIN.

MP-403A (480-183180-3) and MP-230A (480-183180-20)

DUE TO FEDEX SHIPPING DELAY THE FOLLOWING SAMPLES WERE NOT RECEIVED AT LAB UNTIL 4/9 &4/12.

MP-235CR (480-183292-1), MP-235BR (480-183292-2), MP-235R (480-183292-3), MP-206AR (480-183292-4), MP-406C (480-183292-5), FIELD BLANK DUP #1 (480-183292-6), MP-281 (480-183292-7), MP-231AR (480-183292-8), MP-277A (480-183292-9), MP-238R (480-183292-10), MP-250 (480-183292-11), MP-250A (480-183292-12), MP-213A (480-183292-13), MP-237 (480-183292-14), MP-279 (480-183292-15) and MP-405A (480-183292-16)

The following samples were received at the laboratory outside the required temperature criteria: MP-235CR (480-183292-1), MP-235BR (480-183292-2), MP-235R (480-183292-3), MP-206AR (480-183292-4), MP-406C (480-183292-5), FIELD BLANK DUP #1 (480-183292-6), MP-281 (480-183292-7), MP-231AR (480-183292-8), MP-277A (480-183292-9), MP-238R (480-183292-10), MP-250 (480-183292-11), MP-250A (480-183292-12), MP-213A (480-183292-13), MP-237 (480-183292-14), MP-279 (480-183292-15) and MP-405A (480-183292-16).

8260 PUT ON HOLD PER PM INSTRUCTION.

MP-235CR (480-183292-1), MP-235BR (480-183292-2), MP-235R (480-183292-3), MP-206AR (480-183292-4), MP-406C (480-183292-5), FIELD BLANK DUP #1 (480-183292-6), MP-281 (480-183292-7), MP-231AR (480-183292-8), MP-277A (480-183292-9), MP-238R (480-183292-10), MP-250 (480-183292-11), MP-250A (480-183292-12), MP-213A (480-183292-13), MP-237 (480-183292-14), MP-279 (480-183292-15) and MP-405A (480-183292-16)

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576214 recovered above the upper control limit for Pentachloroethane and Methyl methacrylate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-401A (480-183180-21), MP-281C (480-183180-22), MP-408 (480-183180-29) and MP-280 (480-183180-30).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576214 recovered outside acceptance criteria, low biased, for Acetonitrile and Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-576214 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576253 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: MP-232A (480-183180-15), MP-214BR (480-183180-16), MP-404 (480-183180-17),

Job ID: 480-183180-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

MP-404A (480-183180-18), MP-407 (480-183180-19), MP-230A (480-183180-20), MP-211BR (480-183180-23), MP-251A (480-183180-24), MP-409 (480-183180-25), MP-210AR (480-183180-26), MP-280A (480-183180-27), DUPLICATE-DMP#3 (480-183180-28), MP-274A (480-183180-31), MP-274 (480-183180-32) and MP-286C (480-183180-33).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576247 recovered above the upper control limit for Pentachloroethane and Ethyl methacrylate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-233R (480-183180-1), MP-233AR (480-183180-2), MP-403A (480-183180-3), MP-234R (480-183180-4), MP-234AR (480-183180-5), DUPLICATE-DMP#2 (480-183180-6), MP-228R (480-183180-7), MP-228AR (480-183180-8), DUPLICATE-DMP#1 (480-183180-9), MP-244R (480-183180-10), MP-244ARR (480-183180-11), MP-241R (480-183180-12) and MP-401B (480-183180-13).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-576402 recovered outside acceptance criteria, low biased, for Acetonitrile and Tetrahydrofuran. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated sample is: MP-402A (480-183180-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Surrogate recovery for the following samples were outside the upper control limit: MP-404A (480-183180-18), MP-230A (480-183180-20) and MP-251A (480-183180-24). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The following samples are associated with a continuing calibration verification (CCV 480-577479/57) that had recoveries for the surrogate Tetrachloro-m-xylene that were above acceptance limits: MP-232A (480-183180-15), MP-214BR (480-183180-16), MP-404 (480-183180-17), MP-404A (480-183180-18), MP-230A (480-183180-20), MP-281C (480-183180-22) and MP-251A (480-183180-24). The secondary surrogate Decachlorobiphenyl is within limits; therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The low level continuing calibration verification (CCVL 480-576860/37) recovered above the upper control limit for Dissolved Chromium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MP-233AR (480-183180-2), MP-403A (480-183180-3), MP-234R (480-183180-4), MP-234AR (480-183180-5), DUPLICATE-DMP#2 (480-183180-6), MP-228R (480-183180-7), MP-228AR (480-183180-8), DUPLICATE-DMP#1 (480-183180-9), MP-244R (480-183180-10), MP-244ARR (480-183180-11), MP-241R (480-183180-12), MP-401B (480-183180-13), MP-402A (480-183180-14), MP-232A (480-183180-15), (480-183180-C-1-B MS), (480-183180-C-1-C MSD), (480-183180-C-1-A PDS) and (480-183180-C-1-A SD ^5) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-578561/27) recovered above the upper control limit for Total Chromium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-576741/2-A) and (MB 480-576741/1-A) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-578561/51) recovered above the upper control limit for Total Chromium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MP-235R (480-183292-3), MP-206AR (480-183292-4), MP-406C (480-183292-5), FIELD BLANK DUP #1 (480-183292-6), MP-281 (480-183292-7), MP-231AR (480-183292-8), MP-277A (480-183292-9), MP-238R (480-183292-10), MP-250 (480-183292-11), MP-250A (480-183292-12), MP-213A (480-183292-13), MP-237 (480-183292-14), MP-279 (480-183292-15) and MP-405A (480-183292-16) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 480-183180-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-233R

Date Collected: 04/06/21 08:41
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 14:46	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 14:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 14:46	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 14:46	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 14:46	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 14:46	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 14:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 14:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 14:46	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 14:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 14:46	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 14:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 14:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 14:46	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 14:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 14:46	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 14:46	1
Acetone	ND		10	3.0	ug/L			04/14/21 14:46	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 14:46	1
Acrolein	ND		20	0.91	ug/L			04/14/21 14:46	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 14:46	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 14:46	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 14:46	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 14:46	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 14:46	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 14:46	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 14:46	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 14:46	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 14:46	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 14:46	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 14:46	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 14:46	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 14:46	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 14:46	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 14:46	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 14:46	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 14:46	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 14:46	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 14:46	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 14:46	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 14:46	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 14:46	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 14:46	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 14:46	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 14:46	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 14:46	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 14:46	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 14:46	1

Client Sample ID: MP-233R

Lab Sample ID: 480-183180-1

Date Collected: 04/06/21 08:41
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 14:46	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 14:46	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 14:46	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 14:46	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 14:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 14:46	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 14:46	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 14:46	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 14:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 14:46	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/14/21 14:46*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/14/21 14:46*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*04/14/21 14:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 07:31	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/15/21 16:58	04/16/21 07:31	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 21:46	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*19 - 120*	*04/20/21 15:02*	*04/23/21 21:46*	*1*
Tetrachloro-m-xylene	*100*		*39 - 121*	*04/20/21 15:02*	*04/23/21 21:46*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.45**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:11	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:11	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 18:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 18:48	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 18:48	1
Silver, Dissolved	**0.000067**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 18:48	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 18:48	1
Barium, Dissolved	**0.45**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 18:48	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-233R

Lab Sample ID: 480-183180-1

Date Collected: 04/06/21 08:41
Date Received: 04/08/21 08:00

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	5.0		1.0	0.43	mg/L			04/17/21 17:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.47				SU			04/06/21 08:41	1
Field Conductivity	1887				umhos/cm			04/06/21 08:41	1
Field Temperature	14.0				Degrees C			04/06/21 08:41	1
Field Turbidity	2.03				NTU			04/06/21 08:41	1
Ground Water Elevation	896.24				ft/msl			04/06/21 08:41	1
Oxidation Reduction Potential	-116.5				millivolts			04/06/21 08:41	1
Oxygen, Dissolved	0.07				mg/L			04/06/21 08:41	1
Depth to Water from Top of Casing	10.76				ft			04/06/21 08:41	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-233AR

Date Collected: 04/06/21 09:10
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 15:08	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 15:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 15:08	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 15:08	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 15:08	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 15:08	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 15:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 15:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 15:08	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 15:08	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 15:08	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 15:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 15:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 15:08	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 15:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 15:08	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 15:08	1
Acetone	ND		10	3.0	ug/L			04/14/21 15:08	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 15:08	1
Acrolein	ND		20	0.91	ug/L			04/14/21 15:08	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 15:08	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 15:08	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 15:08	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 15:08	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 15:08	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 15:08	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 15:08	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 15:08	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 15:08	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 15:08	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 15:08	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 15:08	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 15:08	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 15:08	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 15:08	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 15:08	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 15:08	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 15:08	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 15:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 15:08	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 15:08	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 15:08	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 15:08	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 15:08	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 15:08	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 15:08	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 15:08	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 15:08	1

Client Sample ID: MP-233AR

Lab Sample ID: 480-183180-2

Date Collected: 04/06/21 09:10
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 15:08	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 15:08	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 15:08	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 15:08	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 15:08	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 15:08	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 15:08	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 15:08	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 15:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 15:08	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/14/21 15:08*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*04/14/21 15:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/14/21 15:08*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 07:51	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 07:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 22:33	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*19 - 120*	*04/20/21 15:02*	*04/23/21 22:33*	*1*
Tetrachloro-m-xylene	*105*		*39 - 121*	*04/20/21 15:02*	*04/23/21 22:33*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.022**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:41	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:41	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0051**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 18:58	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 18:58	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 18:58	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 18:58	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 18:58	1
Barium, Dissolved	**0.021**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 18:58	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-233AR

Date Collected: 04/06/21 09:10
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-2

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.43	mg/L			04/17/21 17:47	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.12				SU			04/06/21 09:10	1
Field Conductivity	1414				umhos/cm			04/06/21 09:10	1
Field Temperature	13.6				Degrees C			04/06/21 09:10	1
Field Turbidity	1.48				NTU			04/06/21 09:10	1
Ground Water Elevation	901.30				ft/msl			04/06/21 09:10	1
Oxidation Reduction Potential	50.5				millivolts			04/06/21 09:10	1
Oxygen, Dissolved	1.93				mg/L			04/06/21 09:10	1
Depth to Water from Top of Casing	6.14				ft			04/06/21 09:10	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-403A

Date Collected: 04/06/21 09:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 15:30	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 15:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 15:30	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 15:30	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 15:30	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 15:30	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 15:30	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 15:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 15:30	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 15:30	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 15:30	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 15:30	1
Acetone	ND		10	3.0	ug/L			04/14/21 15:30	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 15:30	1
Acrolein	ND		20	0.91	ug/L			04/14/21 15:30	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 15:30	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 15:30	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 15:30	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 15:30	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 15:30	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 15:30	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 15:30	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 15:30	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 15:30	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 15:30	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 15:30	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 15:30	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 15:30	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 15:30	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 15:30	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 15:30	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 15:30	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 15:30	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 15:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 15:30	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 15:30	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 15:30	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 15:30	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 15:30	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 15:30	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 15:30	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 15:30	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 15:30	1

Client Sample ID: MP-403A

Lab Sample ID: 480-183180-3

Date Collected: 04/06/21 09:40
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 15:30	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 15:30	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 15:30	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 15:30	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 15:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 15:30	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 15:30	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 15:30	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 15:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 15:30	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*04/14/21 15:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/14/21 15:30*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/14/21 15:30*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 16:58	04/16/21 08:10	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 16:58	04/16/21 08:10	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 22:49	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*19 - 120*	*04/20/21 15:02*	*04/23/21 22:49*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*04/20/21 15:02*	*04/23/21 22:49*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.010**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:45	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:45	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:09	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:09	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:09	1
Silver, Dissolved	**0.000049**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:09	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:09	1
Barium, Dissolved	**0.0091**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:09	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-403A

Date Collected: 04/06/21 09:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-3

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.75	J	1.0	0.43	mg/L			04/17/21 18:17	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.11				SU			04/06/21 09:40	1
Field Conductivity	1973				umhos/cm			04/06/21 09:40	1
Field Temperature	10.9				Degrees C			04/06/21 09:40	1
Field Turbidity	1.08				NTU			04/06/21 09:40	1
Ground Water Elevation	904.74				ft/msl			04/06/21 09:40	1
Oxidation Reduction Potential	141.1				millivolts			04/06/21 09:40	1
Oxygen, Dissolved	4.47				mg/L			04/06/21 09:40	1
Depth to Water from Top of Casing	7.63				ft			04/06/21 09:40	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-234R

Date Collected: 04/06/21 13:05
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 15:52	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 15:52	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 15:52	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 15:52	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 15:52	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 15:52	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 15:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 15:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 15:52	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 15:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 15:52	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 15:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 15:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 15:52	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 15:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 15:52	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 15:52	1
Acetone	ND		10	3.0	ug/L			04/14/21 15:52	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 15:52	1
Acrolein	ND		20	0.91	ug/L			04/14/21 15:52	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 15:52	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 15:52	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 15:52	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 15:52	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 15:52	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 15:52	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 15:52	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 15:52	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 15:52	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 15:52	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 15:52	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 15:52	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 15:52	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 15:52	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 15:52	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 15:52	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 15:52	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 15:52	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 15:52	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 15:52	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 15:52	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 15:52	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 15:52	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 15:52	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 15:52	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 15:52	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 15:52	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 15:52	1

Client Sample ID: MP-234R

Date Collected: 04/06/21 13:05
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 15:52	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 15:52	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 15:52	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 15:52	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 15:52	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 15:52	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 15:52	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 15:52	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 15:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 15:52	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/14/21 15:52*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*04/14/21 15:52*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/14/21 15:52*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 16:58	04/16/21 08:30	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 16:58	04/16/21 08:30	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:05	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 120*	*04/20/21 15:02*	*04/23/21 23:05*	*1*
Tetrachloro-m-xylene	*104*		*39 - 121*	*04/20/21 15:02*	*04/23/21 23:05*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.048**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:49	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:49	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:11	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:11	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:11	1
Silver, Dissolved	**0.00012**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:11	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:11	1
Barium, Dissolved	**0.046**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:11	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-234R

Date Collected: 04/06/21 13:05
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-4

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.81	J	1.0	0.43	mg/L			04/15/21 23:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.27				SU			04/06/21 13:05	1
Field Conductivity	3424				umhos/cm			04/06/21 13:05	1
Field Temperature	16.5				Degrees C			04/06/21 13:05	1
Field Turbidity	2.77				NTU			04/06/21 13:05	1
Ground Water Elevation	898.47				ft/msl			04/06/21 13:05	1
Oxidation Reduction Potential	-80.0				millivolts			04/06/21 13:05	1
Oxygen, Dissolved	0.33				mg/L			04/06/21 13:05	1
Depth to Water from Top of Casing	13.41				ft			04/06/21 13:05	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-234AR

Date Collected: 04/06/21 14:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:14	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:14	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:14	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:14	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:14	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:14	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:14	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:14	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:14	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:14	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:14	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:14	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:14	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:14	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:14	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:14	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:14	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:14	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:14	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:14	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:14	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:14	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:14	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:14	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:14	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:14	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:14	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:14	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:14	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:14	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:14	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:14	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:14	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:14	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:14	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:14	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:14	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:14	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:14	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:14	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:14	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:14	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:14	1

Client Sample ID: MP-234AR

Lab Sample ID: 480-183180-5

Date Collected: 04/06/21 14:02
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:14	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:14	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 16:14	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:14	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:14	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:14	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:14	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:14	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/14/21 16:14*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/14/21 16:14*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*04/14/21 16:14*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 15:28	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 15:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:21	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*19 - 120*	*04/20/21 15:02*	*04/23/21 23:21*	*1*
Tetrachloro-m-xylene	*104*		*39 - 121*	*04/20/21 15:02*	*04/23/21 23:21*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0091**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:53	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:53	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0048**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:14	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:14	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:14	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:14	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:14	1
Barium, Dissolved	**0.0085**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:14	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-234AR

Lab Sample ID: 480-183180-5

Date Collected: 04/06/21 14:02
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.6		1.0	0.43	mg/L			04/16/21 00:27	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.04				SU			04/06/21 14:02	1
Field Conductivity	2752				umhos/cm			04/06/21 14:02	1
Field Temperature	13.8				Degrees C			04/06/21 14:02	1
Field Turbidity	3.41				NTU			04/06/21 14:02	1
Ground Water Elevation	902.48				ft/msl			04/06/21 14:02	1
Oxidation Reduction Potential	-51.3				millivolts			04/06/21 14:02	1
Oxygen, Dissolved	0.10				mg/L			04/06/21 14:02	1
Depth to Water from Top of Casing	8.42				ft			04/06/21 14:02	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#2

Lab Sample ID: 480-183180-6

Date Collected: 04/06/21 14:02
Matrix: Water
Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:36	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:36	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:36	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:36	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:36	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:36	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:36	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:36	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:36	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:36	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:36	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:36	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:36	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:36	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:36	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:36	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:36	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:36	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:36	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:36	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:36	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:36	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:36	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:36	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:36	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:36	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:36	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:36	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:36	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:36	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:36	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:36	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:36	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:36	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:36	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:36	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:36	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:36	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:36	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:36	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:36	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:36	1

Client Sample ID: DUPLICATE-DMP#2

Lab Sample ID: 480-183180-6

Date Collected: 04/06/21 14:02

Matrix: Water

Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:36	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:36	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 16:36	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:36	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:36	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:36	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:36	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:36	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:36	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/14/21 16:36*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/14/21 16:36*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/14/21 16:36*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 15:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 15:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:37	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*19 - 120*	*04/20/21 15:02*	*04/23/21 23:37*	*1*
Tetrachloro-m-xylene	*102*		*39 - 121*	*04/20/21 15:02*	*04/23/21 23:37*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0093**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:57	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:57	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0049**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:16	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:16	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:16	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:16	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:16	1
Barium, Dissolved	**0.0084**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:16	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#2

Lab Sample ID: 480-183180-6

Date Collected: 04/06/21 14:02
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.43	mg/L			04/16/21 01:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.04				SU			04/06/21 14:02	1
Field Conductivity	2755				umhos/cm			04/06/21 14:02	1
Field Temperature	13.8				Degrees C			04/06/21 14:02	1
Field Turbidity	3.78				NTU			04/06/21 14:02	1
Ground Water Elevation	902.48				ft/msl			04/06/21 14:02	1
Oxidation Reduction Potential	-54.6				millivolts			04/06/21 14:02	1
Oxygen, Dissolved	0.10				mg/L			04/06/21 14:02	1
Depth to Water from Top of Casing	8.42				ft			04/06/21 14:02	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-228R

Date Collected: 04/06/21 15:23
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:57	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:57	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:57	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:57	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:57	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:57	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:57	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:57	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:57	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:57	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:57	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:57	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:57	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:57	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:57	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:57	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:57	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:57	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:57	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:57	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:57	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:57	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:57	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:57	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:57	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:57	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:57	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:57	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:57	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:57	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:57	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:57	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:57	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:57	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:57	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:57	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:57	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:57	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:57	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:57	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:57	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:57	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:57	1

Client Sample ID: MP-228R

Date Collected: 04/06/21 15:23
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:57	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:57	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 16:57	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:57	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:57	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:57	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:57	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:57	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:57	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/14/21 16:57*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*04/14/21 16:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/14/21 16:57*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 16:08	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 16:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:53	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*04/20/21 15:02*	*04/23/21 23:53*	*1*
Tetrachloro-m-xylene	*101*		*39 - 121*	*04/20/21 15:02*	*04/23/21 23:53*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.078**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:12	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:12	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0028**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:18	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:18	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:18	1
Silver, Dissolved	**0.000065**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:18	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:18	1
Barium, Dissolved	**0.071**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:18	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-228R

Date Collected: 04/06/21 15:23
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-7

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.85	J	1.0	0.43	mg/L			04/16/21 04:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.41				SU			04/06/21 15:23	1
Field Conductivity	2057				umhos/cm			04/06/21 15:23	1
Field Temperature	15.3				Degrees C			04/06/21 15:23	1
Field Turbidity	1.53				NTU			04/06/21 15:23	1
Ground Water Elevation	898.35				ft/msl			04/06/21 15:23	1
Oxidation Reduction Potential	-145.1				millivolts			04/06/21 15:23	1
Oxygen, Dissolved	0.31				mg/L			04/06/21 15:23	1
Depth to Water from Top of Casing	13.06				ft			04/06/21 15:23	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-228AR

Lab Sample ID: 480-183180-8

Date Collected: 04/06/21 16:14
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 17:19	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 17:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 17:19	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 17:19	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 17:19	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 17:19	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 17:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 17:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 17:19	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 17:19	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 17:19	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 17:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 17:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 17:19	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 17:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 17:19	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 17:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 17:19	1
Acetone	ND		10	3.0	ug/L			04/14/21 17:19	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 17:19	1
Acrolein	ND		20	0.91	ug/L			04/14/21 17:19	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 17:19	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 17:19	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 17:19	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 17:19	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 17:19	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 17:19	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 17:19	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 17:19	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 17:19	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 17:19	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 17:19	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 17:19	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 17:19	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 17:19	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 17:19	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 17:19	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 17:19	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 17:19	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 17:19	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 17:19	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 17:19	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 17:19	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 17:19	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 17:19	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 17:19	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 17:19	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 17:19	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 17:19	1

Client Sample ID: MP-228AR

Lab Sample ID: 480-183180-8

Date Collected: 04/06/21 16:14
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 17:19	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 17:19	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 17:19	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 17:19	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 17:19	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 17:19	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 17:19	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 17:19	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 17:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 17:19	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*04/14/21 17:19*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*04/14/21 17:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/14/21 17:19*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 16:28	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 16:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:08	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*19 - 120*	*04/20/21 15:02*	*04/24/21 00:08*	*1*
Tetrachloro-m-xylene	*105*		*39 - 121*	*04/20/21 15:02*	*04/24/21 00:08*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.029**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:15	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:15	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0034**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:28	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:28	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:28	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:28	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:28	1
Barium, Dissolved	**0.027**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:28	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-228AR

Date Collected: 04/06/21 16:14
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-8

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.5		1.0	0.43	mg/L			04/16/21 05:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			04/06/21 16:14	1
Field Conductivity	1224				umhos/cm			04/06/21 16:14	1
Field Temperature	14.7				Degrees C			04/06/21 16:14	1
Field Turbidity	7.82				NTU			04/06/21 16:14	1
Ground Water Elevation	897.31				ft/msl			04/06/21 16:14	1
Oxidation Reduction Potential	-42.2				millivolts			04/06/21 16:14	1
Oxygen, Dissolved	0.22				mg/L			04/06/21 16:14	1
Depth to Water from Top of Casing	14.33				ft			04/06/21 16:14	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#1

Lab Sample ID: 480-183180-9

Date Collected: 04/06/21 16:14
Matrix: Water
Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 17:42	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 17:42	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 17:42	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 17:42	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 17:42	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 17:42	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 17:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 17:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 17:42	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 17:42	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 17:42	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 17:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 17:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 17:42	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 17:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 17:42	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 17:42	1
Acetone	ND		10	3.0	ug/L			04/14/21 17:42	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 17:42	1
Acrolein	ND		20	0.91	ug/L			04/14/21 17:42	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 17:42	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 17:42	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 17:42	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 17:42	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 17:42	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 17:42	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 17:42	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 17:42	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 17:42	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 17:42	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 17:42	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 17:42	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 17:42	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 17:42	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 17:42	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 17:42	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 17:42	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 17:42	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 17:42	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 17:42	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 17:42	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 17:42	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 17:42	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 17:42	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 17:42	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 17:42	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 17:42	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 17:42	1

Client Sample ID: DUPLICATE-DMP#1

Lab Sample ID: 480-183180-9

Date Collected: 04/06/21 16:14

Matrix: Water

Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 17:42	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 17:42	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 17:42	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 17:42	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 17:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 17:42	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 17:42	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 17:42	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 17:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 17:42	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/14/21 17:42*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/14/21 17:42*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*04/14/21 17:42*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 16:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 16:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:24	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*19 - 120*	*04/20/21 15:02*	*04/24/21 00:24*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*04/20/21 15:02*	*04/24/21 00:24*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.029**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:19	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:19	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0036**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:30	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:30	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:30	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:30	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:30	1
Barium, Dissolved	**0.026**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:30	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#1

Lab Sample ID: 480-183180-9

Date Collected: 04/06/21 16:14
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.8		1.0	0.43	mg/L			04/16/21 08:42	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			04/06/21 16:14	1
Field Conductivity	1220				umhos/cm			04/06/21 16:14	1
Field Temperature	14.7				Degrees C			04/06/21 16:14	1
Field Turbidity	8.55				NTU			04/06/21 16:14	1
Ground Water Elevation	897.31				ft/msl			04/06/21 16:14	1
Oxidation Reduction Potential	-41.8				millivolts			04/06/21 16:14	1
Oxygen, Dissolved	0.22				mg/L			04/06/21 16:14	1
Depth to Water from Top of Casing	14.33				ft			04/06/21 16:14	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-244R

Date Collected: 04/06/21 09:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 18:03	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 18:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 18:03	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 18:03	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 18:03	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 18:03	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 18:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 18:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 18:03	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 18:03	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 18:03	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 18:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 18:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 18:03	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 18:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 18:03	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 18:03	1
Acetone	ND		10	3.0	ug/L			04/14/21 18:03	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 18:03	1
Acrolein	ND		20	0.91	ug/L			04/14/21 18:03	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 18:03	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 18:03	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 18:03	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 18:03	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 18:03	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 18:03	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 18:03	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 18:03	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 18:03	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 18:03	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 18:03	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 18:03	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 18:03	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 18:03	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 18:03	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 18:03	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 18:03	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 18:03	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 18:03	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 18:03	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 18:03	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 18:03	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 18:03	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 18:03	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 18:03	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 18:03	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 18:03	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 18:03	1

Client Sample ID: MP-244R

Date Collected: 04/06/21 09:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 18:03	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 18:03	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 18:03	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 18:03	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 18:03	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 18:03	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 18:03	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 18:03	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 18:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 18:03	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/14/21 18:03*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/14/21 18:03*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/14/21 18:03*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 17:08	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 17:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:40	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*19 - 120*	*04/20/21 15:02*	*04/24/21 00:40*	*1*
Tetrachloro-m-xylene	*105*		*39 - 121*	*04/20/21 15:02*	*04/24/21 00:40*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.021**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:23	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00032**	**J**	0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:32	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:32	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:32	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:32	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:32	1
Barium, Dissolved	**0.020**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:32	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-244R

Date Collected: 04/06/21 09:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-10

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/17/21 22:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.71				SU			04/06/21 09:08	1
Field Conductivity	1224				umhos/cm			04/06/21 09:08	1
Field Temperature	14.3				Degrees C			04/06/21 09:08	1
Field Turbidity	2.29				NTU			04/06/21 09:08	1
Ground Water Elevation	898.25				ft/msl			04/06/21 09:08	1
Oxidation Reduction Potential	-91.4				millivolts			04/06/21 09:08	1
Oxygen, Dissolved	0.28				mg/L			04/06/21 09:08	1
Depth to Water from Top of Casing	11.48				ft			04/06/21 09:08	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-244ARR

Date Collected: 04/06/21 09:57
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-11

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 18:25	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 18:25	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 18:25	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 18:25	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 18:25	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 18:25	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 18:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 18:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 18:25	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 18:25	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 18:25	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 18:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 18:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 18:25	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 18:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 18:25	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 18:25	1
Acetone	ND		10	3.0	ug/L			04/14/21 18:25	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 18:25	1
Acrolein	ND		20	0.91	ug/L			04/14/21 18:25	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 18:25	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 18:25	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 18:25	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 18:25	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 18:25	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 18:25	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 18:25	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 18:25	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 18:25	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 18:25	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 18:25	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 18:25	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 18:25	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 18:25	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 18:25	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 18:25	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 18:25	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 18:25	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 18:25	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 18:25	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 18:25	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 18:25	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 18:25	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 18:25	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 18:25	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 18:25	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 18:25	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 18:25	1

Client Sample ID: MP-244ARR

Date Collected: 04/06/21 09:57
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-11

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 18:25	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 18:25	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 18:25	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 18:25	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 18:25	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 18:25	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 18:25	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 18:25	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 18:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 18:25	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/14/21 18:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/14/21 18:25*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/14/21 18:25*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 17:36	04/16/21 17:28	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 17:36	04/16/21 17:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:56	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*19 - 120*	*04/20/21 15:02*	*04/24/21 00:56*	*1*
Tetrachloro-m-xylene	*106*		*39 - 121*	*04/20/21 15:02*	*04/24/21 00:56*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.057**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:27	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0073**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:34	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:34	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:34	1
Barium, Dissolved	**0.051**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:34	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-244ARR

Date Collected: 04/06/21 09:57
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-11

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.54	J	1.0	0.43	mg/L			04/17/21 23:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.32				SU			04/06/21 09:57	1
Field Conductivity	1043				umhos/cm			04/06/21 09:57	1
Field Temperature	14.2				Degrees C			04/06/21 09:57	1
Field Turbidity	1.58				NTU			04/06/21 09:57	1
Ground Water Elevation	895.74				ft/msl			04/06/21 09:57	1
Oxidation Reduction Potential	-61.6				millivolts			04/06/21 09:57	1
Oxygen, Dissolved	0.22				mg/L			04/06/21 09:57	1
Depth to Water from Top of Casing	14.08				ft			04/06/21 09:57	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-241R

Date Collected: 04/06/21 11:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 18:47	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 18:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 18:47	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 18:47	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 18:47	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 18:47	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 18:47	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 18:47	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 18:47	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 18:47	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 18:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 18:47	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 18:47	1
Acetone	ND		10	3.0	ug/L			04/14/21 18:47	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 18:47	1
Acrolein	ND		20	0.91	ug/L			04/14/21 18:47	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 18:47	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 18:47	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 18:47	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 18:47	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 18:47	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 18:47	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 18:47	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 18:47	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 18:47	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 18:47	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 18:47	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 18:47	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 18:47	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 18:47	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 18:47	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 18:47	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 18:47	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 18:47	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 18:47	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 18:47	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 18:47	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 18:47	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 18:47	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 18:47	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 18:47	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 18:47	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 18:47	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 18:47	1

Client Sample ID: MP-241R

Date Collected: 04/06/21 11:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 18:47	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 18:47	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 18:47	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 18:47	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 18:47	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 18:47	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 18:47	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 18:47	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 18:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 18:47	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/14/21 18:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/14/21 18:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/14/21 18:47*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		04/15/21 17:36	04/16/21 18:08	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 17:36	04/16/21 18:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:12	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*19 - 120*	*04/20/21 15:02*	*04/24/21 01:12*	*1*
Tetrachloro-m-xylene	*111*		*39 - 121*	*04/20/21 15:02*	*04/24/21 01:12*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.058**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:30	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:30	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00063**	**J**	0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:37	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:37	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:37	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:37	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:37	1
Barium, Dissolved	**0.055**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:37	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-241R

Date Collected: 04/06/21 11:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-12

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.0		1.0	0.43	mg/L			04/16/21 11:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.57				SU			04/06/21 11:08	1
Field Conductivity	816				umhos/cm			04/06/21 11:08	1
Field Temperature	15.3				Degrees C			04/06/21 11:08	1
Field Turbidity	5.38				NTU			04/06/21 11:08	1
Ground Water Elevation	897.85				ft/msl			04/06/21 11:08	1
Oxidation Reduction Potential	-70.1				millivolts			04/06/21 11:08	1
Oxygen, Dissolved	0.39				mg/L			04/06/21 11:08	1
Depth to Water from Top of Casing	15.72				ft			04/06/21 11:08	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-401B

Date Collected: 04/05/21 16:33
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-13

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 19:09	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 19:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 19:09	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 19:09	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 19:09	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 19:09	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 19:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 19:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 19:09	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 19:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 19:09	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 19:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 19:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 19:09	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 19:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 19:09	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 19:09	1
Acetone	ND		10	3.0	ug/L			04/14/21 19:09	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 19:09	1
Acrolein	ND		20	0.91	ug/L			04/14/21 19:09	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 19:09	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 19:09	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 19:09	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 19:09	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 19:09	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 19:09	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 19:09	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 19:09	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 19:09	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 19:09	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 19:09	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 19:09	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 19:09	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 19:09	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 19:09	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 19:09	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 19:09	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 19:09	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 19:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 19:09	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 19:09	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 19:09	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 19:09	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 19:09	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 19:09	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 19:09	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 19:09	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 19:09	1

Client Sample ID: MP-401B

Lab Sample ID: 480-183180-13

Date Collected: 04/05/21 16:33
Matrix: Water
Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 19:09	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 19:09	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 19:09	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 19:09	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 19:09	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 19:09	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 19:09	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 19:09	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 19:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 19:09	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/14/21 19:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/14/21 19:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/14/21 19:09*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 15:05	04/16/21 01:14	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 15:05	04/16/21 01:14	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:28	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*19 - 120*	*04/20/21 15:02*	*04/24/21 01:28*	*1*
Tetrachloro-m-xylene	*108*		*39 - 121*	*04/20/21 15:02*	*04/24/21 01:28*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.039**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:34	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:34	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0053**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:39	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:39	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:39	1
Silver, Dissolved	**0.000037**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:39	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:39	1
Barium, Dissolved	**0.037**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:39	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-401B

Date Collected: 04/05/21 16:33
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-13

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.2		1.0	0.43	mg/L			04/16/21 12:04	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.05				SU			04/05/21 16:33	1
Field Conductivity	1393				umhos/cm			04/05/21 16:33	1
Field Temperature	14.9				Degrees C			04/05/21 16:33	1
Field Turbidity	7.62				NTU			04/05/21 16:33	1
Ground Water Elevation	899.02				ft/msl			04/05/21 16:33	1
Oxidation Reduction Potential	-67.7				millivolts			04/05/21 16:33	1
Oxygen, Dissolved	0.21				mg/L			04/05/21 16:33	1
Depth to Water from Top of Casing	7.54				ft			04/05/21 16:33	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-402A

Date Collected: 04/05/21 12:22
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-14

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/15/21 12:18	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/15/21 12:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/15/21 12:18	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/15/21 12:18	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/15/21 12:18	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/15/21 12:18	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/15/21 12:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/15/21 12:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/15/21 12:18	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/15/21 12:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/15/21 12:18	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/15/21 12:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/15/21 12:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/15/21 12:18	1
1,4-Dioxane	ND		40	9.3	ug/L			04/15/21 12:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/15/21 12:18	1
2-Hexanone	ND		10	1.2	ug/L			04/15/21 12:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/15/21 12:18	1
Acetone	ND		10	3.0	ug/L			04/15/21 12:18	1
Acetonitrile	ND		170	4.9	ug/L			04/15/21 12:18	1
Acrolein	ND		20	0.91	ug/L			04/15/21 12:18	1
Acrylonitrile	ND		20	0.83	ug/L			04/15/21 12:18	1
Allyl chloride	ND		2.0	0.44	ug/L			04/15/21 12:18	1
Benzene	ND		2.0	0.41	ug/L			04/15/21 12:18	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/15/21 12:18	1
Bromoform	ND		2.0	0.26	ug/L			04/15/21 12:18	1
Bromomethane	ND		2.0	0.69	ug/L			04/15/21 12:18	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/15/21 12:18	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/15/21 12:18	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/15/21 12:18	1
Chloroethane	ND		2.0	0.32	ug/L			04/15/21 12:18	1
Chloroform	ND		2.0	0.34	ug/L			04/15/21 12:18	1
Chloromethane	ND		2.0	0.35	ug/L			04/15/21 12:18	1
Chloroprene	ND		1.0	0.49	ug/L			04/15/21 12:18	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/15/21 12:18	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/15/21 12:18	1
Dibromomethane	ND		2.0	0.41	ug/L			04/15/21 12:18	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/15/21 12:18	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/15/21 12:18	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/15/21 12:18	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/15/21 12:18	1
Iodomethane	ND		2.0	0.30	ug/L			04/15/21 12:18	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/15/21 12:18	1
Methacrylonitrile	ND		10	0.69	ug/L			04/15/21 12:18	1
Methyl methacrylate	ND		10	0.61	ug/L			04/15/21 12:18	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/15/21 12:18	1
Naphthalene	ND		1.0	0.43	ug/L			04/15/21 12:18	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/15/21 12:18	1
Propionitrile	ND		50	5.8	ug/L			04/15/21 12:18	1

Client Sample ID: MP-402A

Date Collected: 04/05/21 12:22
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-14

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/15/21 12:18	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/15/21 12:18	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/15/21 12:18	1
Toluene	ND		2.0	0.51	ug/L			04/15/21 12:18	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/15/21 12:18	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/15/21 12:18	1
Trichloroethene	ND		2.0	0.46	ug/L			04/15/21 12:18	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/15/21 12:18	1
Vinyl acetate	ND		10	0.85	ug/L			04/15/21 12:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/15/21 12:18	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/15/21 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/15/21 12:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/15/21 12:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/15/21 12:18*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 15:05	04/16/21 01:34	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 15:05	04/16/21 01:34	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:44	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/24/21 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 120*	*04/20/21 15:02*	*04/24/21 01:44*	*1*
Tetrachloro-m-xylene	*112*		*39 - 121*	*04/20/21 15:02*	*04/24/21 01:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.048**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:38	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:38	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0035**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:41	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:41	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:41	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:41	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:41	1
Barium, Dissolved	**0.043**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:41	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-402A

Date Collected: 04/05/21 12:22
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-14

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.9		1.0	0.43	mg/L			04/16/21 13:02	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.82				SU			04/05/21 12:22	1
Field Conductivity	998				umhos/cm			04/05/21 12:22	1
Field Temperature	12.9				Degrees C			04/05/21 12:22	1
Field Turbidity	9.04				NTU			04/05/21 12:22	1
Ground Water Elevation	902.94				ft/msl			04/05/21 12:22	1
Oxidation Reduction Potential	-111.7				millivolts			04/05/21 12:22	1
Oxygen, Dissolved	0.11				mg/L			04/05/21 12:22	1
Depth to Water from Top of Casing	5.48				ft			04/05/21 12:22	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-232A

Date Collected: 04/05/21 18:17
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 12:59	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 12:59	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 12:59	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 12:59	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 12:59	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 12:59	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 12:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 12:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 12:59	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 12:59	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 12:59	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 12:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 12:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 12:59	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 12:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 12:59	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 12:59	1
Acetone	ND		10	3.0	ug/L			04/14/21 12:59	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 12:59	1
Acrolein	ND		20	0.91	ug/L			04/14/21 12:59	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 12:59	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 12:59	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 12:59	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 12:59	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 12:59	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 12:59	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 12:59	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 12:59	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 12:59	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 12:59	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 12:59	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 12:59	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 12:59	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 12:59	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 12:59	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 12:59	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 12:59	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 12:59	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 12:59	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 12:59	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 12:59	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 12:59	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 12:59	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 12:59	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 12:59	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 12:59	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 12:59	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 12:59	1

Client Sample ID: MP-232A

Date Collected: 04/05/21 18:17
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 12:59	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 12:59	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 12:59	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 12:59	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 12:59	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 12:59	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 12:59	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 12:59	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 12:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 12:59	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/14/21 12:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/14/21 12:59*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/14/21 12:59*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 01:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/16/21 01:54	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 09:44	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*19 - 120*	*04/21/21 08:49*	*04/23/21 09:44*	*1*
Tetrachloro-m-xylene	*117*		*39 - 121*	*04/21/21 08:49*	*04/23/21 09:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:42	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:42	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0061**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:43	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:43	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:43	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:43	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:43	1
Barium, Dissolved	**0.025**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:43	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-232A

Date Collected: 04/05/21 18:17
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-15

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.0		1.0	0.43	mg/L			04/16/21 13:31	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.07				SU			04/05/21 18:17	1
Field Conductivity	1436				umhos/cm			04/05/21 18:17	1
Field Temperature	14.9				Degrees C			04/05/21 18:17	1
Field Turbidity	1.97				NTU			04/05/21 18:17	1
Ground Water Elevation	895.24				ft/msl			04/05/21 18:17	1
Oxidation Reduction Potential	-10.9				millivolts			04/05/21 18:17	1
Oxygen, Dissolved	0.53				mg/L			04/05/21 18:17	1
Depth to Water from Top of Casing	14.51				ft			04/05/21 18:17	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-214BR

Date Collected: 04/06/21 10:10
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-16

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 13:22	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 13:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 13:22	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 13:22	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 13:22	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 13:22	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 13:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 13:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 13:22	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 13:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 13:22	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 13:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 13:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 13:22	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 13:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 13:22	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 13:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 13:22	1
Acetone	ND		10	3.0	ug/L			04/14/21 13:22	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 13:22	1
Acrolein	ND		20	0.91	ug/L			04/14/21 13:22	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 13:22	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 13:22	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 13:22	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 13:22	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 13:22	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 13:22	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 13:22	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 13:22	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 13:22	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 13:22	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 13:22	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 13:22	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 13:22	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 13:22	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 13:22	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 13:22	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 13:22	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 13:22	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 13:22	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 13:22	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 13:22	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 13:22	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 13:22	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 13:22	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 13:22	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 13:22	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 13:22	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 13:22	1

Client Sample ID: MP-214BR

Date Collected: 04/06/21 10:10
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-16

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 13:22	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 13:22	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 13:22	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 13:22	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 13:22	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 13:22	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 13:22	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 13:22	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 13:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 13:22	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/14/21 13:22*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/14/21 13:22*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/14/21 13:22*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 17:36	04/16/21 18:27	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 17:36	04/16/21 18:27	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:00	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*04/21/21 08:49*	*04/23/21 10:00*	*1*
Tetrachloro-m-xylene	*110*		*39 - 121*	*04/21/21 08:49*	*04/23/21 10:00*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0090**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 19:57	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 19:57	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0024**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:46	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:46	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:46	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:46	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:46	1
Barium, Dissolved	**0.0083**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:46	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-214BR

Lab Sample ID: 480-183180-16

Date Collected: 04/06/21 10:10
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.9		1.0	0.43	mg/L			04/16/21 14:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.87				SU			04/06/21 10:10	1
Field Conductivity	2109				umhos/cm			04/06/21 10:10	1
Field Temperature	13.5				Degrees C			04/06/21 10:10	1
Field Turbidity	55.8				NTU			04/06/21 10:10	1
Ground Water Elevation	895.30				ft/msl			04/06/21 10:10	1
Oxidation Reduction Potential	5.2				millivolts			04/06/21 10:10	1
Oxygen, Dissolved	0.56				mg/L			04/06/21 10:10	1
Depth to Water from Top of Casing	14.99				ft			04/06/21 10:10	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-404

Date Collected: 04/06/21 10:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-17

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 13:46	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 13:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 13:46	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 13:46	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 13:46	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 13:46	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 13:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 13:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 13:46	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 13:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 13:46	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 13:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 13:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 13:46	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 13:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 13:46	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 13:46	1
Acetone	ND		10	3.0	ug/L			04/14/21 13:46	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 13:46	1
Acrolein	ND		20	0.91	ug/L			04/14/21 13:46	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 13:46	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 13:46	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 13:46	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 13:46	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 13:46	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 13:46	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 13:46	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 13:46	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 13:46	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 13:46	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 13:46	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 13:46	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 13:46	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 13:46	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 13:46	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 13:46	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 13:46	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 13:46	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 13:46	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 13:46	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 13:46	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 13:46	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 13:46	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 13:46	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 13:46	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 13:46	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 13:46	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 13:46	1

Client Sample ID: MP-404

Date Collected: 04/06/21 10:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-17

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 13:46	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 13:46	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 13:46	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 13:46	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 13:46	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 13:46	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 13:46	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 13:46	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 13:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 13:46	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/14/21 13:46*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/14/21 13:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/14/21 13:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 18:47	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 18:47	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:15	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*19 - 120*	*04/21/21 08:49*	*04/23/21 10:15*	*1*
Tetrachloro-m-xylene	*112*		*39 - 121*	*04/21/21 08:49*	*04/23/21 10:15*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.41**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 20:00	1
Chromium, Dissolved	**0.0010**	**J B**	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 20:00	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0015**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:48	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:48	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:48	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:48	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:48	1
Barium, Dissolved	**0.41**	**B**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:48	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-404

Date Collected: 04/06/21 10:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-17

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	7.8		1.0	0.43	mg/L			04/16/21 14:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.28				SU			04/06/21 10:45	1
Field Conductivity	1642				umhos/cm			04/06/21 10:45	1
Field Temperature	14.8				Degrees C			04/06/21 10:45	1
Field Turbidity	3.18				NTU			04/06/21 10:45	1
Ground Water Elevation	896.99				ft/msl			04/06/21 10:45	1
Oxidation Reduction Potential	-124.7				millivolts			04/06/21 10:45	1
Oxygen, Dissolved	0.21				mg/L			04/06/21 10:45	1
Depth to Water from Top of Casing	15.76				ft			04/06/21 10:45	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-404A

Date Collected: 04/06/21 11:15
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-18

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 14:09	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 14:09	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 14:09	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 14:09	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 14:09	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 14:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 14:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 14:09	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 14:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 14:09	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 14:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 14:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 14:09	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 14:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 14:09	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 14:09	1
Acetone	ND		10	3.0	ug/L			04/14/21 14:09	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 14:09	1
Acrolein	ND		20	0.91	ug/L			04/14/21 14:09	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 14:09	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 14:09	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 14:09	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 14:09	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 14:09	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 14:09	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 14:09	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 14:09	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 14:09	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 14:09	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 14:09	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 14:09	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 14:09	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 14:09	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 14:09	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 14:09	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 14:09	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 14:09	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 14:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 14:09	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 14:09	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 14:09	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 14:09	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 14:09	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 14:09	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 14:09	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 14:09	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 14:09	1

Client Sample ID: MP-404A

Date Collected: 04/06/21 11:15
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-18

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 14:09	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 14:09	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 14:09	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 14:09	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 14:09	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 14:09	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 14:09	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 14:09	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 14:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 14:09	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*04/14/21 14:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/14/21 14:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/14/21 14:09*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 19:07	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 19:07	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:31	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 120*	*04/21/21 08:49*	*04/23/21 10:31*	*1*
Tetrachloro-m-xylene	*122*	*S1+*	*39 - 121*	*04/21/21 08:49*	*04/23/21 10:31*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.045**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 20:04	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 20:04	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 19:57	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 19:57	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 19:57	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 19:57	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 19:57	1
Barium, Dissolved	**0.042**	**B ^+ ^2**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 19:57	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-404A

Date Collected: 04/06/21 11:15
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-18

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.93	J	1.0	0.43	mg/L			04/16/21 15:56	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.28				SU			04/06/21 11:15	1
Field Conductivity	1112				umhos/cm			04/06/21 11:15	1
Field Temperature	12.7				Degrees C			04/06/21 11:15	1
Field Turbidity	6.25				NTU			04/06/21 11:15	1
Ground Water Elevation	904.66				ft/msl			04/06/21 11:15	1
Oxidation Reduction Potential	121.2				millivolts			04/06/21 11:15	1
Oxygen, Dissolved	4.76				mg/L			04/06/21 11:15	1
Depth to Water from Top of Casing	10.43				ft			04/06/21 11:15	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-407

Date Collected: 04/05/21 13:36
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-19

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 14:33	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 14:33	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 14:33	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 14:33	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 14:33	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 14:33	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 14:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 14:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 14:33	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 14:33	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 14:33	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 14:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 14:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 14:33	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 14:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 14:33	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 14:33	1
Acetone	ND		10	3.0	ug/L			04/14/21 14:33	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 14:33	1
Acrolein	ND		20	0.91	ug/L			04/14/21 14:33	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 14:33	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 14:33	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 14:33	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 14:33	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 14:33	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 14:33	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 14:33	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 14:33	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 14:33	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 14:33	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 14:33	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 14:33	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 14:33	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 14:33	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 14:33	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 14:33	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 14:33	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 14:33	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 14:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 14:33	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 14:33	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 14:33	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 14:33	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 14:33	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 14:33	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 14:33	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 14:33	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 14:33	1

Client Sample ID: MP-407

Date Collected: 04/05/21 13:36
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-19

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 14:33	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 14:33	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 14:33	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 14:33	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 14:33	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 14:33	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 14:33	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 14:33	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 14:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 14:33	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/14/21 14:33*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/14/21 14:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/14/21 14:33*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 02:14	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/16/21 02:14	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:22	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*19 - 120*	*04/21/21 14:57*	*04/22/21 10:22*	*1*
Tetrachloro-m-xylene	*107*		*39 - 121*	*04/21/21 14:57*	*04/22/21 10:22*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.71**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 20:08	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 20:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00048**	**J**	0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 20:00	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 20:00	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 20:00	1
Silver, Dissolved	**0.000066**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 20:00	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 20:00	1
Barium, Dissolved	**0.75**	**B ^+ ^2**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 20:00	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-407

Date Collected: 04/05/21 13:36
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-19

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.9		1.0	0.43	mg/L			04/16/21 16:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.32				SU			04/05/21 13:36	1
Field Conductivity	2044				umhos/cm			04/05/21 13:36	1
Field Temperature	16.6				Degrees C			04/05/21 13:36	1
Field Turbidity	1.70				NTU			04/05/21 13:36	1
Ground Water Elevation	895.89				ft/msl			04/05/21 13:36	1
Oxidation Reduction Potential	-118.2				millivolts			04/05/21 13:36	1
Oxygen, Dissolved	0.05				mg/L			04/05/21 13:36	1
Depth to Water from Top of Casing	14.42				ft			04/05/21 13:36	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-230A

Date Collected: 04/05/21 14:52
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-20

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 14:56	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 14:56	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 14:56	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 14:56	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 14:56	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 14:56	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 14:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 14:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 14:56	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 14:56	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 14:56	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 14:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 14:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 14:56	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 14:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 14:56	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 14:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 14:56	1
Acetone	ND		10	3.0	ug/L			04/14/21 14:56	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 14:56	1
Acrolein	ND		20	0.91	ug/L			04/14/21 14:56	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 14:56	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 14:56	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 14:56	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 14:56	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 14:56	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 14:56	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 14:56	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 14:56	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 14:56	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 14:56	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 14:56	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 14:56	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 14:56	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 14:56	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 14:56	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 14:56	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 14:56	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 14:56	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 14:56	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 14:56	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 14:56	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 14:56	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 14:56	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 14:56	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 14:56	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 14:56	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 14:56	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 14:56	1

Client Sample ID: MP-230A

Date Collected: 04/05/21 14:52
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-20

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 14:56	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 14:56	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 14:56	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 14:56	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 14:56	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 14:56	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 14:56	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 14:56	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 14:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 14:56	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*04/14/21 14:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/14/21 14:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/14/21 14:56*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 02:34	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/15/21 15:05	04/16/21 02:34	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 11:03	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*19 - 120*	*04/21/21 08:49*	*04/23/21 11:03*	*1*
Tetrachloro-m-xylene	*126*	*S1+*	*39 - 121*	*04/21/21 08:49*	*04/23/21 11:03*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.034**		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 20:12	1
Chromium, Dissolved	**0.0011**	**J B**	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 20:12	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0096**		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 20:02	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 20:02	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 20:02	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 20:02	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 20:02	1
Barium, Dissolved	**0.031**	**B ^+ ^2**	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 20:02	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-230A

Date Collected: 04/05/21 14:52
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-20

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.5		1.0	0.43	mg/L			04/16/21 17:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.99				SU			04/05/21 14:52	1
Field Conductivity	1265				umhos/cm			04/05/21 14:52	1
Field Temperature	15.3				Degrees C			04/05/21 14:52	1
Field Turbidity	3.74				NTU			04/05/21 14:52	1
Ground Water Elevation	895.67				ft/msl			04/05/21 14:52	1
Oxidation Reduction Potential	-46.8				millivolts			04/05/21 14:52	1
Oxygen, Dissolved	0.28				mg/L			04/05/21 14:52	1
Depth to Water from Top of Casing	13.08				ft			04/05/21 14:52	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-401A

Date Collected: 04/05/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-21

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 00:09	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 00:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 00:09	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 00:09	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 00:09	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 00:09	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 00:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 00:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 00:09	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 00:09	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 00:09	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 00:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 00:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 00:09	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 00:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 00:09	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 00:09	1
Acetone	ND		10	3.0	ug/L			04/14/21 00:09	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 00:09	1
Acrolein	ND		20	0.91	ug/L			04/14/21 00:09	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 00:09	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 00:09	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 00:09	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 00:09	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 00:09	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 00:09	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 00:09	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 00:09	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 00:09	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 00:09	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 00:09	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 00:09	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 00:09	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 00:09	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 00:09	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 00:09	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 00:09	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 00:09	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 00:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 00:09	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 00:09	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 00:09	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 00:09	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 00:09	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 00:09	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 00:09	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 00:09	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 00:09	1

Client Sample ID: MP-401A

Date Collected: 04/05/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-21

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 00:09	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 00:09	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 00:09	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 00:09	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 00:09	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 00:09	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 00:09	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 00:09	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 00:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 00:09	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/14/21 00:09*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/14/21 00:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/14/21 00:09*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 02:54	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/16/21 02:54	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:38	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*19 - 120*	*04/21/21 14:57*	*04/22/21 10:38*	*1*
Tetrachloro-m-xylene	*106*		*39 - 121*	*04/21/21 14:57*	*04/22/21 10:38*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.041**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:15	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:15	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 17:37	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 17:37	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 17:37	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 17:37	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 17:37	1
Barium, Dissolved	**0.040**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 17:37	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-401A

Date Collected: 04/05/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-21

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.2		1.0	0.43	mg/L			04/16/21 18:20	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.85				SU			04/05/21 15:45	1
Field Conductivity	1425				umhos/cm			04/05/21 15:45	1
Field Temperature	13.7				Degrees C			04/05/21 15:45	1
Field Turbidity	1.18				NTU			04/05/21 15:45	1
Ground Water Elevation	895.81				ft/msl			04/05/21 15:45	1
Oxidation Reduction Potential	86.7				millivolts			04/05/21 15:45	1
Oxygen, Dissolved	0.20				mg/L			04/05/21 15:45	1
Depth to Water from Top of Casing	10.56				ft			04/05/21 15:45	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-281C

Date Collected: 04/06/21 16:50
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-22

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F1	2.0	0.35	ug/L			04/14/21 00:33	1
1,1,1-Trichloroethane	ND	F1	2.0	0.82	ug/L			04/14/21 00:33	1
1,1,2,2-Tetrachloroethane	ND	F1	2.0	0.21	ug/L			04/14/21 00:33	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 00:33	1
1,1-Dichloroethane	ND	F1	2.0	0.38	ug/L			04/14/21 00:33	1
1,1-Dichloroethene	ND	F1	2.0	0.29	ug/L			04/14/21 00:33	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 00:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 00:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 00:33	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 00:33	1
1,2-Dichloroethene, Total	ND	F1	2.0	0.81	ug/L			04/14/21 00:33	1
1,2-Dichloropropane	ND	F1	2.0	0.72	ug/L			04/14/21 00:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 00:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 00:33	1
1,4-Dioxane	ND	F1 F2	40	9.3	ug/L			04/14/21 00:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 00:33	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 00:33	1
Acetone	ND		10	3.0	ug/L			04/14/21 00:33	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 00:33	1
Acrolein	ND	F1 F2	20	0.91	ug/L			04/14/21 00:33	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 00:33	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 00:33	1
Benzene	ND	F1	2.0	0.41	ug/L			04/14/21 00:33	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 00:33	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 00:33	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 00:33	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 00:33	1
Carbon tetrachloride	ND	F1	2.0	0.27	ug/L			04/14/21 00:33	1
Chlorobenzene	ND	F1	2.0	0.75	ug/L			04/14/21 00:33	1
Chloroethane	ND	F2	2.0	0.32	ug/L			04/14/21 00:33	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 00:33	1
Chloromethane	ND	F1	2.0	0.35	ug/L			04/14/21 00:33	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 00:33	1
cis-1,3-Dichloropropene	ND	F1	2.0	0.36	ug/L			04/14/21 00:33	1
Dibromochloromethane	ND	F1	2.0	0.32	ug/L			04/14/21 00:33	1
Dibromomethane	ND	F1	2.0	0.41	ug/L			04/14/21 00:33	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 00:33	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 00:33	1
Ethylbenzene	ND	F1	2.0	0.74	ug/L			04/14/21 00:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 00:33	1
Iodomethane	ND	F1	2.0	0.30	ug/L			04/14/21 00:33	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 00:33	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 00:33	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 00:33	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 00:33	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 00:33	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 00:33	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 00:33	1

Client Sample ID: MP-281C

Lab Sample ID: 480-183180-22

Date Collected: 04/06/21 16:50
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 00:33	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 00:33	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 00:33	1
Toluene	ND	F1	2.0	0.51	ug/L			04/14/21 00:33	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 00:33	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 00:33	1
Trichloroethene	ND	F1	2.0	0.46	ug/L			04/14/21 00:33	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 00:33	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 00:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 00:33	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/14/21 00:33*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/14/21 00:33*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/14/21 00:33*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		04/15/21 16:58	04/16/21 08:50	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0059	ug/L		04/15/21 16:58	04/16/21 08:50	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 09:28	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*19 - 120*	*04/21/21 08:49*	*04/23/21 09:28*	*1*
Tetrachloro-m-xylene	*112*		*39 - 121*	*04/21/21 08:49*	*04/23/21 09:28*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.053**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:18	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:18	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0045**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 17:40	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 17:40	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 17:40	1
Silver, Dissolved	**0.000057**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 17:40	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 17:40	1
Barium, Dissolved	**0.051**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 17:40	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-281C

Date Collected: 04/06/21 16:50
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-22

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.43	mg/L			04/16/21 22:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.05				SU			04/06/21 16:50	1
Field Conductivity	1149				umhos/cm			04/06/21 16:50	1
Field Temperature	14.9				Degrees C			04/06/21 16:50	1
Field Turbidity	2.98				NTU			04/06/21 16:50	1
Ground Water Elevation	895.52				ft/msl			04/06/21 16:50	1
Oxidation Reduction Potential	-68.1				millivolts			04/06/21 16:50	1
Oxygen, Dissolved	0.15				mg/L			04/06/21 16:50	1
Depth to Water from Top of Casing	18.60				ft			04/06/21 16:50	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-211BR

Date Collected: 04/06/21 17:04
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-23

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 15:20	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 15:20	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 15:20	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 15:20	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 15:20	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 15:20	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 15:20	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 15:20	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 15:20	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 15:20	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 15:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 15:20	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 15:20	1
Acetone	ND		10	3.0	ug/L			04/14/21 15:20	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 15:20	1
Acrolein	ND		20	0.91	ug/L			04/14/21 15:20	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 15:20	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 15:20	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 15:20	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 15:20	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 15:20	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 15:20	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 15:20	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 15:20	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 15:20	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 15:20	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 15:20	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 15:20	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 15:20	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 15:20	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 15:20	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 15:20	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 15:20	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 15:20	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 15:20	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 15:20	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 15:20	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 15:20	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 15:20	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 15:20	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 15:20	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 15:20	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 15:20	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 15:20	1

Client Sample ID: MP-211BR

Lab Sample ID: 480-183180-23

Date Collected: 04/06/21 17:04
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 15:20	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 15:20	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 15:20	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 15:20	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 15:20	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 15:20	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 15:20	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 15:20	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 15:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 15:20	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*04/14/21 15:20*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/14/21 15:20*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/14/21 15:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 09:50	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 09:50	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:53	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*19 - 120*	*04/21/21 14:57*	*04/22/21 10:53*	*1*
Tetrachloro-m-xylene	*108*		*39 - 121*	*04/21/21 14:57*	*04/22/21 10:53*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.039**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:37	1
Chromium, Dissolved	**0.011**		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:37	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 17:58	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 17:58	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 17:58	1
Silver, Dissolved	**0.000049**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 17:58	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 17:58	1
Barium, Dissolved	**0.037**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 17:58	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-211BR

Date Collected: 04/06/21 17:04
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-23

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.1		1.0	0.43	mg/L			04/16/21 18:49	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.92				SU			04/06/21 17:04	1
Field Conductivity	1140				umhos/cm			04/06/21 17:04	1
Field Temperature	15.7				Degrees C			04/06/21 17:04	1
Field Turbidity	2.63				NTU			04/06/21 17:04	1
Ground Water Elevation	904.15				ft/msl			04/06/21 17:04	1
Oxidation Reduction Potential	49.7				millivolts			04/06/21 17:04	1
Oxygen, Dissolved	2.24				mg/L			04/06/21 17:04	1
Depth to Water from Top of Casing	6.94				ft			04/06/21 17:04	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-251A

Date Collected: 04/06/21 15:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-24

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 15:44	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 15:44	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 15:44	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 15:44	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 15:44	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 15:44	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 15:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 15:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 15:44	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 15:44	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 15:44	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 15:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 15:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 15:44	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 15:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 15:44	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 15:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 15:44	1
Acetone	ND		10	3.0	ug/L			04/14/21 15:44	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 15:44	1
Acrolein	ND		20	0.91	ug/L			04/14/21 15:44	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 15:44	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 15:44	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 15:44	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 15:44	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 15:44	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 15:44	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 15:44	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 15:44	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 15:44	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 15:44	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 15:44	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 15:44	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 15:44	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 15:44	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 15:44	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 15:44	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 15:44	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 15:44	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 15:44	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 15:44	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 15:44	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 15:44	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 15:44	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 15:44	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 15:44	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 15:44	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 15:44	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 15:44	1

Client Sample ID: MP-251A

Date Collected: 04/06/21 15:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-24

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 15:44	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 15:44	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 15:44	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 15:44	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 15:44	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 15:44	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 15:44	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 15:44	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 15:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 15:44	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/14/21 15:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/14/21 15:44*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/14/21 15:44*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 10:10	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/15/21 16:58	04/16/21 10:10	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 11:51	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*19 - 120*	*04/21/21 08:49*	*04/23/21 11:51*	*1*
Tetrachloro-m-xylene	*129*	*S1+*	*39 - 121*	*04/21/21 08:49*	*04/23/21 11:51*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.10**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:41	1
Chromium, Dissolved	**0.0024**	**J**	0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:41	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0025**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:00	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:00	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:00	1
Silver, Dissolved	**0.000047**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:00	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:00	1
Barium, Dissolved	**0.096**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:00	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-251A

Date Collected: 04/06/21 15:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-24

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.43	mg/L			04/16/21 19:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.30				SU			04/06/21 15:08	1
Field Conductivity	911				umhos/cm			04/06/21 15:08	1
Field Temperature	14.9				Degrees C			04/06/21 15:08	1
Field Turbidity	2.36				NTU			04/06/21 15:08	1
Ground Water Elevation	908.62				ft/msl			04/06/21 15:08	1
Oxidation Reduction Potential	66.1				millivolts			04/06/21 15:08	1
Oxygen, Dissolved	1.34				mg/L			04/06/21 15:08	1
Depth to Water from Top of Casing	2.92				ft			04/06/21 15:08	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-409

Date Collected: 04/06/21 16:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-25

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:07	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:07	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:07	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:07	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:07	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:07	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:07	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:07	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:07	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:07	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:07	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:07	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:07	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:07	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:07	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:07	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:07	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:07	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:07	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:07	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:07	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:07	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:07	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:07	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:07	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:07	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:07	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:07	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:07	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:07	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:07	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:07	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:07	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:07	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:07	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:07	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:07	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:07	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:07	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:07	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:07	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:07	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:07	1

Client Sample ID: MP-409

Date Collected: 04/06/21 16:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-25

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:07	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:07	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 16:07	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:07	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:07	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:07	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:07	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:07	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:07	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/14/21 16:07*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/14/21 16:07*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/14/21 16:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0077	ug/L		04/15/21 16:58	04/16/21 10:49	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 10:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 16:44	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*19 - 120*	*04/21/21 08:49*	*04/23/21 16:44*	*1*
Tetrachloro-m-xylene	*93*		*39 - 121*	*04/21/21 08:49*	*04/23/21 16:44*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.13**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:56	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:56	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0018**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:03	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:03	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:03	1
Silver, Dissolved	**0.000036**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:03	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:03	1
Barium, Dissolved	**0.12**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:03	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-409

Date Collected: 04/06/21 16:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-25

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.7		1.0	0.43	mg/L			04/16/21 19:47	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.99				SU			04/06/21 16:08	1
Field Conductivity	983				umhos/cm			04/06/21 16:08	1
Field Temperature	14.9				Degrees C			04/06/21 16:08	1
Field Turbidity	4.29				NTU			04/06/21 16:08	1
Ground Water Elevation	902.23				ft/msl			04/06/21 16:08	1
Oxidation Reduction Potential	-98.6				millivolts			04/06/21 16:08	1
Oxygen, Dissolved	0.24				mg/L			04/06/21 16:08	1
Depth to Water from Top of Casing	9.60				ft			04/06/21 16:08	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-210AR

Date Collected: 04/06/21 13:55
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-26

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:31	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:31	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:31	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:31	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:31	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:31	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:31	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:31	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:31	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:31	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:31	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:31	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:31	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:31	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:31	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:31	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:31	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:31	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:31	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:31	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:31	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:31	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:31	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:31	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:31	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:31	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:31	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:31	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:31	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:31	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:31	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:31	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:31	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:31	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:31	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:31	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:31	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:31	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:31	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:31	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:31	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:31	1

Client Sample ID: MP-210AR

Lab Sample ID: 480-183180-26

Date Collected: 04/06/21 13:55
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:31	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:31	1
Tetrahydrofuran	**1.9**	**J**	5.0	1.3	ug/L			04/14/21 16:31	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:31	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:31	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:31	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:31	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:31	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:31	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/14/21 16:31*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/14/21 16:31*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/14/21 16:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 16:58	04/16/21 11:09	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 16:58	04/16/21 11:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:00	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*19 - 120*	*04/21/21 08:49*	*04/23/21 17:00*	*1*
Tetrachloro-m-xylene	*85*		*39 - 121*	*04/21/21 08:49*	*04/23/21 17:00*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.057**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 16:59	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 16:59	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0022**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:05	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:05	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:05	1
Silver, Dissolved	**0.000062**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:05	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:05	1
Barium, Dissolved	**0.054**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:05	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-210AR

Lab Sample ID: 480-183180-26

Date Collected: 04/06/21 13:55
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.43	mg/L			04/16/21 20:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.20				SU			04/06/21 13:55	1
Field Conductivity	931				umhos/cm			04/06/21 13:55	1
Field Temperature	15.1				Degrees C			04/06/21 13:55	1
Field Turbidity	1.76				NTU			04/06/21 13:55	1
Ground Water Elevation	908.63				ft/msl			04/06/21 13:55	1
Oxidation Reduction Potential	30.0				millivolts			04/06/21 13:55	1
Oxygen, Dissolved	0.72				mg/L			04/06/21 13:55	1
Depth to Water from Top of Casing	4.20				ft			04/06/21 13:55	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-280A

Date Collected: 04/06/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-27

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 16:55	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 16:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 16:55	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 16:55	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 16:55	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 16:55	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 16:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 16:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 16:55	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 16:55	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 16:55	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 16:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 16:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 16:55	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 16:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 16:55	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 16:55	1
Acetone	ND		10	3.0	ug/L			04/14/21 16:55	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 16:55	1
Acrolein	ND		20	0.91	ug/L			04/14/21 16:55	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 16:55	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 16:55	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 16:55	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 16:55	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 16:55	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 16:55	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 16:55	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 16:55	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 16:55	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 16:55	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 16:55	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 16:55	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 16:55	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 16:55	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 16:55	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 16:55	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 16:55	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 16:55	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 16:55	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 16:55	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 16:55	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 16:55	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 16:55	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 16:55	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 16:55	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 16:55	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 16:55	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 16:55	1

Client Sample ID: MP-280A

Date Collected: 04/06/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-27

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 16:55	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 16:55	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 16:55	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 16:55	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 16:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 16:55	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 16:55	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 16:55	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 16:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 16:55	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*04/14/21 16:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/14/21 16:55*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/14/21 16:55*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 11:29	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 11:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:16	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 120*	*04/21/21 08:49*	*04/23/21 17:16*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*04/21/21 08:49*	*04/23/21 17:16*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:03	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:03	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.020**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:07	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:07	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:07	1
Silver, Dissolved	**0.000037**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:07	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:07	1
Barium, Dissolved	**0.025**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:07	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-280A

Date Collected: 04/06/21 15:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-27

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.4		1.0	0.43	mg/L			04/17/21 00:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.84				SU			04/06/21 15:45	1
Field Conductivity	1561				umhos/cm			04/06/21 15:45	1
Field Temperature	14.6				Degrees C			04/06/21 15:45	1
Field Turbidity	1.80				NTU			04/06/21 15:45	1
Ground Water Elevation	894.95				ft/msl			04/06/21 15:45	1
Oxidation Reduction Potential	-68.6				millivolts			04/06/21 15:45	1
Oxygen, Dissolved	0.09				mg/L			04/06/21 15:45	1
Depth to Water from Top of Casing	17.33				ft			04/06/21 15:45	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#3

Lab Sample ID: 480-183180-28

Date Collected: 04/06/21 15:45
Matrix: Water
Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 17:19	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 17:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 17:19	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 17:19	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 17:19	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 17:19	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 17:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 17:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 17:19	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 17:19	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 17:19	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 17:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 17:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 17:19	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 17:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 17:19	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 17:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 17:19	1
Acetone	ND		10	3.0	ug/L			04/14/21 17:19	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 17:19	1
Acrolein	ND		20	0.91	ug/L			04/14/21 17:19	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 17:19	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 17:19	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 17:19	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 17:19	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 17:19	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 17:19	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 17:19	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 17:19	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 17:19	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 17:19	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 17:19	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 17:19	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 17:19	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 17:19	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 17:19	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 17:19	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 17:19	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 17:19	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 17:19	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 17:19	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 17:19	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 17:19	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 17:19	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 17:19	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 17:19	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 17:19	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 17:19	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 17:19	1

Client Sample ID: DUPLICATE-DMP#3

Lab Sample ID: 480-183180-28

Date Collected: 04/06/21 15:45

Matrix: Water

Date Received: 04/08/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 17:19	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 17:19	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 17:19	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 17:19	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 17:19	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 17:19	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 17:19	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 17:19	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 17:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 17:19	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/14/21 17:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*04/14/21 17:19*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/14/21 17:19*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 16:58	04/16/21 11:49	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 16:58	04/16/21 11:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:32	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*19 - 120*	*04/21/21 08:49*	*04/23/21 17:32*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*04/21/21 08:49*	*04/23/21 17:32*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.027**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:07	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:07	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.020**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:09	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:09	1
Lead, Dissolved	**0.0026**	**J**	0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:09	1
Silver, Dissolved	**0.000047**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:09	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:09	1
Barium, Dissolved	**0.025**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:09	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: DUPLICATE-DMP#3

Lab Sample ID: 480-183180-28

Date Collected: 04/06/21 15:45
Matrix: Water
Date Received: 04/08/21 08:00

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.5		1.0	0.43	mg/L			04/17/21 00:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.84				SU			04/06/21 15:45	1
Field Conductivity	1561				umhos/cm			04/06/21 15:45	1
Field Temperature	14.6				Degrees C			04/06/21 15:45	1
Field Turbidity	1.73				NTU			04/06/21 15:45	1
Ground Water Elevation	894.95				ft/msl			04/06/21 15:45	1
Oxidation Reduction Potential	-68.6				millivolts			04/06/21 15:45	1
Oxygen, Dissolved	0.09				mg/L			04/06/21 15:45	1
Depth to Water from Top of Casing	17.33				ft			04/06/21 15:45	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-408

Date Collected: 04/06/21 13:19
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-29

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/13/21 23:22	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/13/21 23:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/13/21 23:22	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/13/21 23:22	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/13/21 23:22	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/13/21 23:22	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/13/21 23:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/13/21 23:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/13/21 23:22	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/13/21 23:22	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/13/21 23:22	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/13/21 23:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/13/21 23:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/13/21 23:22	1
1,4-Dioxane	ND		40	9.3	ug/L			04/13/21 23:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/13/21 23:22	1
Chloroprene	ND		1.0	0.49	ug/L			04/13/21 23:22	1
2-Hexanone	ND		10	1.2	ug/L			04/13/21 23:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/13/21 23:22	1
Acetone	ND		10	3.0	ug/L			04/13/21 23:22	1
Acetonitrile	ND		170	4.9	ug/L			04/13/21 23:22	1
Acrolein	ND		20	0.91	ug/L			04/13/21 23:22	1
Acrylonitrile	ND		20	0.83	ug/L			04/13/21 23:22	1
Benzene	ND		2.0	0.41	ug/L			04/13/21 23:22	1
Bromoform	ND		2.0	0.26	ug/L			04/13/21 23:22	1
Bromomethane	ND		2.0	0.69	ug/L			04/13/21 23:22	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/13/21 23:22	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/13/21 23:22	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/13/21 23:22	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/13/21 23:22	1
Chloroethane	ND		2.0	0.32	ug/L			04/13/21 23:22	1
Chloroform	ND		2.0	0.34	ug/L			04/13/21 23:22	1
Chloromethane	ND		2.0	0.35	ug/L			04/13/21 23:22	1
Dibromomethane	ND		2.0	0.41	ug/L			04/13/21 23:22	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/13/21 23:22	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/13/21 23:22	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/13/21 23:22	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/13/21 23:22	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/13/21 23:22	1
Iodomethane	ND		2.0	0.30	ug/L			04/13/21 23:22	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/13/21 23:22	1
Methacrylonitrile	ND		10	0.69	ug/L			04/13/21 23:22	1
Methyl methacrylate	ND		10	0.61	ug/L			04/13/21 23:22	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/13/21 23:22	1
Naphthalene	ND		1.0	0.43	ug/L			04/13/21 23:22	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/13/21 23:22	1
Propionitrile	ND		50	5.8	ug/L			04/13/21 23:22	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/13/21 23:22	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/13/21 23:22	1

Client Sample ID: MP-408

Date Collected: 04/06/21 13:19
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-29

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	0.51	ug/L			04/13/21 23:22	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/13/21 23:22	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/13/21 23:22	1
Trichloroethene	ND		2.0	0.46	ug/L			04/13/21 23:22	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/13/21 23:22	1
Vinyl acetate	ND		10	0.85	ug/L			04/13/21 23:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/13/21 23:22	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/13/21 23:22	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/13/21 23:22	1
Styrene	ND		2.0	0.73	ug/L			04/13/21 23:22	1
Allyl chloride	ND		2.0	0.44	ug/L			04/13/21 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/13/21 23:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/13/21 23:22*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/13/21 23:22*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 17:36	04/16/21 19:27	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/15/21 17:36	04/16/21 19:27	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:47	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*29*		*19 - 120*	*04/21/21 08:49*	*04/23/21 17:47*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*04/21/21 08:49*	*04/23/21 17:47*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.72**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:11	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:11	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.076**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:12	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:12	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:12	1
Silver, Dissolved	**0.00015**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:12	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:12	1
Barium, Dissolved	**0.76**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:12	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-408

Date Collected: 04/06/21 13:19
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-29

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	29.8		1.0	0.43	mg/L			04/17/21 01:05	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.04				SU			04/06/21 13:19	1
Field Conductivity	3715				umhos/cm			04/06/21 13:19	1
Field Temperature	18.2				Degrees C			04/06/21 13:19	1
Field Turbidity	68.5				NTU			04/06/21 13:19	1
Ground Water Elevation	894.79				ft/msl			04/06/21 13:19	1
Oxidation Reduction Potential	-158.9				millivolts			04/06/21 13:19	1
Oxygen, Dissolved	0.04				mg/L			04/06/21 13:19	1
Depth to Water from Top of Casing	21.62				ft			04/06/21 13:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-280

Date Collected: 04/06/21 14:54
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/13/21 23:45	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/13/21 23:45	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/13/21 23:45	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/13/21 23:45	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/13/21 23:45	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/13/21 23:45	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/13/21 23:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/13/21 23:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/13/21 23:45	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/13/21 23:45	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/13/21 23:45	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/13/21 23:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/13/21 23:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/13/21 23:45	1
1,4-Dioxane	ND		40	9.3	ug/L			04/13/21 23:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/13/21 23:45	1
Chloroprene	ND		1.0	0.49	ug/L			04/13/21 23:45	1
2-Hexanone	ND		10	1.2	ug/L			04/13/21 23:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/13/21 23:45	1
Acetone	ND		10	3.0	ug/L			04/13/21 23:45	1
Acetonitrile	ND		170	4.9	ug/L			04/13/21 23:45	1
Acrolein	ND		20	0.91	ug/L			04/13/21 23:45	1
Acrylonitrile	ND		20	0.83	ug/L			04/13/21 23:45	1
Benzene	ND		2.0	0.41	ug/L			04/13/21 23:45	1
Bromoform	ND		2.0	0.26	ug/L			04/13/21 23:45	1
Bromomethane	ND		2.0	0.69	ug/L			04/13/21 23:45	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/13/21 23:45	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/13/21 23:45	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/13/21 23:45	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/13/21 23:45	1
Chloroethane	ND		2.0	0.32	ug/L			04/13/21 23:45	1
Chloroform	ND		2.0	0.34	ug/L			04/13/21 23:45	1
Chloromethane	ND		2.0	0.35	ug/L			04/13/21 23:45	1
Dibromomethane	ND		2.0	0.41	ug/L			04/13/21 23:45	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/13/21 23:45	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/13/21 23:45	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/13/21 23:45	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/13/21 23:45	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/13/21 23:45	1
Iodomethane	ND		2.0	0.30	ug/L			04/13/21 23:45	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/13/21 23:45	1
Methacrylonitrile	ND		10	0.69	ug/L			04/13/21 23:45	1
Methyl methacrylate	ND		10	0.61	ug/L			04/13/21 23:45	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/13/21 23:45	1
Naphthalene	ND		1.0	0.43	ug/L			04/13/21 23:45	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/13/21 23:45	1
Propionitrile	ND		50	5.8	ug/L			04/13/21 23:45	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/13/21 23:45	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/13/21 23:45	1

Client Sample ID: MP-280

Date Collected: 04/06/21 14:54
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	0.51	ug/L			04/13/21 23:45	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/13/21 23:45	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/13/21 23:45	1
Trichloroethene	ND		2.0	0.46	ug/L			04/13/21 23:45	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/13/21 23:45	1
Vinyl acetate	ND		10	0.85	ug/L			04/13/21 23:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/13/21 23:45	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/13/21 23:45	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/13/21 23:45	1
Styrene	ND		2.0	0.73	ug/L			04/13/21 23:45	1
Allyl chloride	ND		2.0	0.44	ug/L			04/13/21 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/13/21 23:45*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/13/21 23:45*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*04/13/21 23:45*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:36	04/16/21 19:47	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:36	04/16/21 19:47	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:03	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*		*19 - 120*	*04/21/21 08:49*	*04/23/21 18:03*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*04/21/21 08:49*	*04/23/21 18:03*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.32**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:15	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:15	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.025**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:14	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:14	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:14	1
Silver, Dissolved	**0.000045**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:14	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:14	1
Barium, Dissolved	**0.31**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:14	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-280

Date Collected: 04/06/21 14:54
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-30

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	15.1		1.0	0.43	mg/L			04/17/21 01:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.51				SU			04/06/21 14:54	1
Field Conductivity	1428				umhos/cm			04/06/21 14:54	1
Field Temperature	19.8				Degrees C			04/06/21 14:54	1
Field Turbidity	28.3				NTU			04/06/21 14:54	1
Ground Water Elevation	898.44				ft/msl			04/06/21 14:54	1
Oxidation Reduction Potential	-189.1				millivolts			04/06/21 14:54	1
Oxygen, Dissolved	0.10				mg/L			04/06/21 14:54	1
Depth to Water from Top of Casing	14.05				ft			04/06/21 14:54	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-274A

Date Collected: 04/06/21 13:53
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-31

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 17:42	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 17:42	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 17:42	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 17:42	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 17:42	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 17:42	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 17:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 17:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 17:42	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 17:42	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 17:42	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 17:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 17:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 17:42	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 17:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 17:42	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 17:42	1
Acetone	ND		10	3.0	ug/L			04/14/21 17:42	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 17:42	1
Acrolein	ND		20	0.91	ug/L			04/14/21 17:42	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 17:42	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 17:42	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 17:42	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 17:42	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 17:42	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 17:42	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 17:42	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 17:42	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 17:42	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 17:42	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 17:42	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 17:42	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 17:42	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 17:42	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 17:42	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 17:42	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 17:42	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 17:42	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 17:42	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 17:42	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 17:42	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 17:42	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 17:42	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 17:42	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 17:42	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 17:42	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 17:42	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 17:42	1

Client Sample ID: MP-274A

Date Collected: 04/06/21 13:53
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-31

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 17:42	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 17:42	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 17:42	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 17:42	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 17:42	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 17:42	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 17:42	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 17:42	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 17:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 17:42	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/14/21 17:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/14/21 17:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/14/21 17:42*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 03:33	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/16/21 03:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:19	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*04/21/21 08:49*	*04/23/21 18:19*	*1*
Tetrachloro-m-xylene	*87*		*39 - 121*	*04/21/21 08:49*	*04/23/21 18:19*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.028**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:19	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:19	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.046**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:16	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:16	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:16	1
Silver, Dissolved	**0.000056**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:16	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:16	1
Barium, Dissolved	**0.027**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:16	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-274A

Date Collected: 04/06/21 13:53
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-31

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.43	mg/L			04/17/21 02:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.99				SU			04/06/21 13:53	1
Field Conductivity	1388				umhos/cm			04/06/21 13:53	1
Field Temperature	15.0				Degrees C			04/06/21 13:53	1
Field Turbidity	22.7				NTU			04/06/21 13:53	1
Ground Water Elevation	895.41				ft/msl			04/06/21 13:53	1
Oxidation Reduction Potential	-31.1				millivolts			04/06/21 13:53	1
Oxygen, Dissolved	0.12				mg/L			04/06/21 13:53	1
Depth to Water from Top of Casing	17.37				ft			04/06/21 13:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-274

Date Collected: 04/06/21 14:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-32

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 18:06	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 18:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 18:06	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 18:06	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 18:06	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 18:06	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 18:06	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 18:06	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 18:06	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 18:06	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 18:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 18:06	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 18:06	1
Acetone	ND		10	3.0	ug/L			04/14/21 18:06	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 18:06	1
Acrolein	ND		20	0.91	ug/L			04/14/21 18:06	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 18:06	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 18:06	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 18:06	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 18:06	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 18:06	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 18:06	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 18:06	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 18:06	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 18:06	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 18:06	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 18:06	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 18:06	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 18:06	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 18:06	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 18:06	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 18:06	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 18:06	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 18:06	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 18:06	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 18:06	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 18:06	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 18:06	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 18:06	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 18:06	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 18:06	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 18:06	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 18:06	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 18:06	1

Client Sample ID: MP-274

Date Collected: 04/06/21 14:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-32

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 18:06	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 18:06	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 18:06	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 18:06	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 18:06	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 18:06	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 18:06	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 18:06	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 18:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 18:06	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/14/21 18:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/14/21 18:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/14/21 18:06*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		04/15/21 15:05	04/16/21 03:53	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		04/15/21 15:05	04/16/21 03:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:35	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*19 - 120*	*04/21/21 08:49*	*04/23/21 18:35*	*1*
Tetrachloro-m-xylene	*90*		*39 - 121*	*04/21/21 08:49*	*04/23/21 18:35*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.42**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:22	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:22	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00070**	**J**	0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:18	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:18	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:18	1
Silver, Dissolved	**0.000056**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:18	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:18	1
Barium, Dissolved	**0.51**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:18	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-274

Date Collected: 04/06/21 14:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-32

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.4		1.0	0.43	mg/L			04/17/21 03:31	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.55				SU			04/06/21 14:40	1
Field Conductivity	1073				umhos/cm			04/06/21 14:40	1
Field Temperature	16.6				Degrees C			04/06/21 14:40	1
Field Turbidity	0.08				NTU			04/06/21 14:40	1
Ground Water Elevation	895.59				ft/msl			04/06/21 14:40	1
Oxidation Reduction Potential	-86.5				millivolts			04/06/21 14:40	1
Oxygen, Dissolved	0.15				mg/L			04/06/21 14:40	1
Depth to Water from Top of Casing	16.61				ft			04/06/21 14:40	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-286C

Date Collected: 04/06/21 16:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-33

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 18:30	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 18:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 18:30	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 18:30	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 18:30	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 18:30	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 18:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 18:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 18:30	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 18:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 18:30	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 18:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 18:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 18:30	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 18:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 18:30	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 18:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 18:30	1
Acetone	ND		10	3.0	ug/L			04/14/21 18:30	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 18:30	1
Acrolein	ND		20	0.91	ug/L			04/14/21 18:30	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 18:30	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 18:30	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 18:30	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 18:30	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 18:30	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 18:30	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 18:30	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 18:30	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 18:30	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 18:30	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 18:30	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 18:30	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 18:30	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 18:30	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 18:30	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 18:30	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 18:30	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 18:30	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 18:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 18:30	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 18:30	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 18:30	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 18:30	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 18:30	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 18:30	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 18:30	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 18:30	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 18:30	1

Client Sample ID: MP-286C

Lab Sample ID: 480-183180-33

Date Collected: 04/06/21 16:02
Date Received: 04/08/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	0.73	ug/L			04/14/21 18:30	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 18:30	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 18:30	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 18:30	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 18:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 18:30	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 18:30	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 18:30	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 18:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 18:30	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/14/21 18:30*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/14/21 18:30*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/14/21 18:30*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/16/21 04:13	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/16/21 04:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:51	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*19 - 120*	*04/21/21 08:49*	*04/23/21 18:51*	*1*
Tetrachloro-m-xylene	*90*		*39 - 121*	*04/21/21 08:49*	*04/23/21 18:51*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.14**		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 17:26	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 17:26	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0033**		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 18:28	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 18:28	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 18:28	1
Silver, Dissolved	**0.000063**	**J B**	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 18:28	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 18:28	1
Barium, Dissolved	**0.13**		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 18:28	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-286C

Date Collected: 04/06/21 16:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-33

Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.6		1.0	0.43	mg/L			04/17/21 04:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.47				SU			04/06/21 16:02	1
Field Conductivity	1204				umhos/cm			04/06/21 16:02	1
Field Temperature	13.6				Degrees C			04/06/21 16:02	1
Field Turbidity	0.02				NTU			04/06/21 16:02	1
Ground Water Elevation	897.94				ft/msl			04/06/21 16:02	1
Oxidation Reduction Potential	-112.7				millivolts			04/06/21 16:02	1
Oxygen, Dissolved	0.14				mg/L			04/06/21 16:02	1
Depth to Water from Top of Casing	16.65				ft			04/06/21 16:02	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-235CR

Date Collected: 04/07/21 08:33
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-1

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/19/21 15:52	04/19/21 19:03	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/19/21 15:52	04/19/21 19:03	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:16	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*19 - 120*	*04/23/21 15:14*	*04/27/21 00:16*	*1*
Tetrachloro-m-xylene	*85*		*39 - 121*	*04/23/21 15:14*	*04/27/21 00:16*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.011**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 05:30	1
Chromium, Dissolved	**0.0042**	**J**	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 18:26	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00038**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:04	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:04	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:04	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:04	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:04	1
Barium, Dissolved	**0.0098**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:04	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.5**		1.0	0.43	mg/L			04/22/21 13:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.15**				SU			04/07/21 08:33	1
Field Conductivity	**1845**				umhos/cm			04/07/21 08:33	1
Field Temperature	**12.7**				Degrees C			04/07/21 08:33	1
Field Turbidity	**1.55**				NTU			04/07/21 08:33	1
Ground Water Elevation	**902.58**				ft/msl			04/07/21 08:33	1
Oxidation Reduction Potential	**117.0**				millivolts			04/07/21 08:33	1
Oxygen, Dissolved	**0.35**				mg/L			04/07/21 08:33	1
Depth to Water from Top of Casing	**12.08**				ft			04/07/21 08:33	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-235BR

Date Collected: 04/07/21 09:25
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-2

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 19:23	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/19/21 15:52	04/19/21 19:23	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:32	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*19 - 120*	*04/23/21 15:14*	*04/27/21 00:32*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*04/23/21 15:14*	*04/27/21 00:32*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.013**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 05:45	1
Chromium, Dissolved	**0.0078**	**^+**	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 05:45	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0020**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:06	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:06	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:06	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:06	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:06	1
Barium, Dissolved	**0.011**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:06	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			04/22/21 13:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.24**				SU			04/07/21 09:25	1
Field Conductivity	**1931**				umhos/cm			04/07/21 09:25	1
Field Temperature	**14.2**				Degrees C			04/07/21 09:25	1
Field Turbidity	**1.32**				NTU			04/07/21 09:25	1
Ground Water Elevation	**899.50**				ft/msl			04/07/21 09:25	1
Oxidation Reduction Potential	**35.3**				millivolts			04/07/21 09:25	1
Oxygen, Dissolved	**0.27**				mg/L			04/07/21 09:25	1
Depth to Water from Top of Casing	**15.34**				ft			04/07/21 09:25	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-235R

Date Collected: 04/07/21 10:12
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-3

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		04/19/21 15:52	04/19/21 19:43	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		04/19/21 15:52	04/19/21 19:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:48	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*19 - 120*	*04/23/21 15:14*	*04/27/21 00:48*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*04/23/21 15:14*	*04/27/21 00:48*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.047**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 05:49	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 05:49	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00067**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:08	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:08	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:08	1
Silver, Dissolved	**0.000037**	**J**	0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:08	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:08	1
Barium, Dissolved	**0.041**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.52**	**J**	1.0	0.43	mg/L			04/22/21 14:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.39**				SU			04/07/21 10:12	1
Field Conductivity	**1780**				umhos/cm			04/07/21 10:12	1
Field Temperature	**14.7**				Degrees C			04/07/21 10:12	1
Field Turbidity	**1.45**				NTU			04/07/21 10:12	1
Ground Water Elevation	**897.90**				ft/msl			04/07/21 10:12	1
Oxidation Reduction Potential	**-80.3**				millivolts			04/07/21 10:12	1
Oxygen, Dissolved	**0.18**				mg/L			04/07/21 10:12	1
Depth to Water from Top of Casing	**16.94**				ft			04/07/21 10:12	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-206AR

Date Collected: 04/07/21 10:19
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-4

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 20:03	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/19/21 15:52	04/19/21 20:03	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:04	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 120*	*04/23/21 15:14*	*04/27/21 01:04*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*04/23/21 15:14*	*04/27/21 01:04*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0091**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 05:53	1
Chromium, Dissolved	**0.0015**	**J ^+**	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 05:53	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:11	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:11	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:11	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:11	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:11	1
Barium, Dissolved	**0.0076**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.2**		1.0	0.43	mg/L			04/22/21 14:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.87**				SU			04/07/21 10:19	1
Field Conductivity	**3128**				umhos/cm			04/07/21 10:19	1
Field Temperature	**14.3**				Degrees C			04/07/21 10:19	1
Field Turbidity	**1.59**				NTU			04/07/21 10:19	1
Ground Water Elevation	**909.12**				ft/msl			04/07/21 10:19	1
Oxidation Reduction Potential	**79.6**				millivolts			04/07/21 10:19	1
Oxygen, Dissolved	**3.86**				mg/L			04/07/21 10:19	1
Depth to Water from Top of Casing	**7.61**				ft			04/07/21 10:19	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-406C

Date Collected: 04/07/21 11:11
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-5

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 20:22	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/19/21 15:52	04/19/21 20:22	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:20	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 120*	*04/23/21 15:14*	*04/27/21 01:20*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*04/23/21 15:14*	*04/27/21 01:20*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.16**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 05:57	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 05:57	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0035**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:13	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:13	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:13	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:13	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:13	1
Barium, Dissolved	**0.14**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:13	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.2**		1.0	0.43	mg/L			04/22/21 15:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.20**				SU			04/07/21 11:11	1
Field Conductivity	**1037**				umhos/cm			04/07/21 11:11	1
Field Temperature	**15.5**				Degrees C			04/07/21 11:11	1
Field Turbidity	**1.46**				NTU			04/07/21 11:11	1
Ground Water Elevation	**895.89**				ft/msl			04/07/21 11:11	1
Oxidation Reduction Potential	**-86.2**				millivolts			04/07/21 11:11	1
Oxygen, Dissolved	**0.19**				mg/L			04/07/21 11:11	1
Depth to Water from Top of Casing	**21.51**				ft			04/07/21 11:11	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: FIELD BLANK DMP #1

Lab Sample ID: 480-183292-6

Date Collected: 04/07/21 10:10
Date Received: 04/12/21 10:00

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 21:03	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/19/21 15:52	04/19/21 21:03	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:35	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*30*		*19 - 120*	*04/23/21 15:14*	*04/27/21 01:35*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*04/23/21 15:14*	*04/27/21 01:35*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:01	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:01	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:22	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:22	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:22	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:22	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:22	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/22/21 17:46	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.61**				SU			04/07/21 10:10	1
Field Conductivity	**12.2**				umhos/cm			04/07/21 10:10	1
Field Temperature	**17.7**				Degrees C			04/07/21 10:10	1
Field Turbidity	**0.02**				NTU			04/07/21 10:10	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-281

Date Collected: 04/06/21 17:48
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-7

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 12:09	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 12:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:51	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*19 - 120*	*04/23/21 15:14*	*04/27/21 01:51*	*1*
Tetrachloro-m-xylene	*86*		*39 - 121*	*04/23/21 15:14*	*04/27/21 01:51*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.29**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:05	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:05	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:25	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:25	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:25	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:25	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:25	1
Barium, Dissolved	**0.25**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.9**		1.0	0.43	mg/L			04/22/21 18:13	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.20**				SU			04/06/21 17:48	1
Field Conductivity	**1515**				umhos/cm			04/06/21 17:48	1
Field Temperature	**14.9**				Degrees C			04/06/21 17:48	1
Field Turbidity	**3.07**				NTU			04/06/21 17:48	1
Ground Water Elevation	**895.47**				ft/msl			04/06/21 17:48	1
Oxidation Reduction Potential	**-82.3**				millivolts			04/06/21 17:48	1
Oxygen, Dissolved	**0.15**				mg/L			04/06/21 17:48	1
Depth to Water from Top of Casing	**18.06**				ft			04/06/21 17:48	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-231AR

Date Collected: 04/07/21 08:34
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-8

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/20/21 14:52	04/20/21 20:08	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/20/21 14:52	04/20/21 20:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:07	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*19 - 120*	*04/23/21 15:14*	*04/27/21 02:07*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*04/23/21 15:14*	*04/27/21 02:07*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.0051**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:09	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:09	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0020**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:27	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:27	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:27	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:27	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:27	1
Barium, Dissolved	**0.0043**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			04/22/21 19:10	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.19**				SU			04/07/21 08:34	1
Field Conductivity	**3149**				umhos/cm			04/07/21 08:34	1
Field Temperature	**13.6**				Degrees C			04/07/21 08:34	1
Field Turbidity	**10.5**				NTU			04/07/21 08:34	1
Ground Water Elevation	**905.99**				ft/msl			04/07/21 08:34	1
Oxidation Reduction Potential	**-35.3**				millivolts			04/07/21 08:34	1
Oxygen, Dissolved	**0.47**				mg/L			04/07/21 08:34	1
Depth to Water from Top of Casing	**9.74**				ft			04/07/21 08:34	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-277A

Date Collected: 04/07/21 09:30
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-9

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/20/21 14:52	04/20/21 20:28	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/20/21 14:52	04/20/21 20:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:23	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*04/23/21 15:14*	*04/27/21 02:23*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*04/23/21 15:14*	*04/27/21 02:23*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.029**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:13	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:13	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0076**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:29	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:29	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:29	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:29	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:29	1
Barium, Dissolved	**0.025**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.4**		1.0	0.43	mg/L			04/22/21 20:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.89**				SU			04/07/21 09:30	1
Field Conductivity	**1692**				umhos/cm			04/07/21 09:30	1
Field Temperature	**13.7**				Degrees C			04/07/21 09:30	1
Field Turbidity	**7.82**				NTU			04/07/21 09:30	1
Ground Water Elevation	**908.91**				ft/msl			04/07/21 09:30	1
Oxidation Reduction Potential	**-79.9**				millivolts			04/07/21 09:30	1
Oxygen, Dissolved	**0.09**				mg/L			04/07/21 09:30	1
Depth to Water from Top of Casing	**6.33**				ft			04/07/21 09:30	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-238R

Date Collected: 04/07/21 11:16
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-10

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/20/21 14:52	04/20/21 20:48	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/20/21 14:52	04/20/21 20:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:39	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*19 - 120*	*04/23/21 15:14*	*04/27/21 02:39*	*1*
Tetrachloro-m-xylene	*85*		*39 - 121*	*04/23/21 15:14*	*04/27/21 02:39*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.050**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:17	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:17	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00029**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:31	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:31	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:31	1
Silver, Dissolved	**0.000036**	**J**	0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:31	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:31	1
Barium, Dissolved	**0.043**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.0**		1.0	0.43	mg/L			04/22/21 20:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.44**				SU			04/07/21 11:16	1
Field Conductivity	**963**				umhos/cm			04/07/21 11:16	1
Field Temperature	**19.3**				Degrees C			04/07/21 11:16	1
Field Turbidity	**1.63**				NTU			04/07/21 11:16	1
Ground Water Elevation	**898.20**				ft/msl			04/07/21 11:16	1
Oxidation Reduction Potential	**10.6**				millivolts			04/07/21 11:16	1
Oxygen, Dissolved	**0.43**				mg/L			04/07/21 11:16	1
Depth to Water from Top of Casing	**17.11**				ft			04/07/21 11:16	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-250

Date Collected: 04/07/21 10:35
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-11

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/20/21 14:52	04/20/21 21:08	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/20/21 14:52	04/20/21 21:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:55	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*19 - 120*	*04/23/21 15:14*	*04/27/21 02:55*	*1*
Tetrachloro-m-xylene	*91*		*39 - 121*	*04/23/21 15:14*	*04/27/21 02:55*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.054**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:32	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:32	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0011**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:34	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:34	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:34	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:34	1
Barium, Dissolved	**0.046**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.83**	**J**	1.0	0.43	mg/L			04/22/21 21:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.07**				SU			04/07/21 10:35	1
Field Conductivity	**1080**				umhos/cm			04/07/21 10:35	1
Field Temperature	**13.8**				Degrees C			04/07/21 10:35	1
Field Turbidity	**2.04**				NTU			04/07/21 10:35	1
Ground Water Elevation	**898.25**				ft/msl			04/07/21 10:35	1
Oxidation Reduction Potential	**33.5**				millivolts			04/07/21 10:35	1
Oxygen, Dissolved	**0.26**				mg/L			04/07/21 10:35	1
Depth to Water from Top of Casing	**11.87**				ft			04/07/21 10:35	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-250A

Date Collected: 04/07/21 11:18
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-12

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/20/21 14:52	04/20/21 21:28	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/20/21 14:52	04/20/21 21:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:10	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*19 - 120*	*04/23/21 15:14*	*04/27/21 03:10*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*04/23/21 15:14*	*04/27/21 03:10*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.035**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:36	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:36	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0051**		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:36	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:36	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:36	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:36	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:36	1
Barium, Dissolved	**0.030**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.81**	**J**	1.0	0.43	mg/L			04/22/21 22:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.82**				SU			04/07/21 11:18	1
Field Conductivity	**1461**				umhos/cm			04/07/21 11:18	1
Field Temperature	**13.9**				Degrees C			04/07/21 11:18	1
Field Turbidity	**2.13**				NTU			04/07/21 11:18	1
Ground Water Elevation	**899.24**				ft/msl			04/07/21 11:18	1
Oxidation Reduction Potential	**-5.0**				millivolts			04/07/21 11:18	1
Oxygen, Dissolved	**0.09**				mg/L			04/07/21 11:18	1
Depth to Water from Top of Casing	**11.00**				ft			04/07/21 11:18	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-213A

Date Collected: 04/06/21 17:53
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-13

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 17:36	04/16/21 20:07	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 17:36	04/16/21 20:07	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:26	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*19 - 120*	*04/23/21 15:14*	*04/27/21 03:26*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*04/23/21 15:14*	*04/27/21 03:26*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.035**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:40	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:40	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00066**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:38	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:38	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:38	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:38	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:38	1
Barium, Dissolved	**0.031**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.3**		1.0	0.43	mg/L			04/22/21 23:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.19**				SU			04/06/21 17:53	1
Field Conductivity	**2877**				umhos/cm			04/06/21 17:53	1
Field Temperature	**14.5**				Degrees C			04/06/21 17:53	1
Field Turbidity	**2.79**				NTU			04/06/21 17:53	1
Ground Water Elevation	**894.94**				ft/msl			04/06/21 17:53	1
Oxidation Reduction Potential	**19.6**				millivolts			04/06/21 17:53	1
Oxygen, Dissolved	**0.23**				mg/L			04/06/21 17:53	1
Depth to Water from Top of Casing	**18.04**				ft			04/06/21 17:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-237

Date Collected: 04/06/21 17:53
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-14

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		04/15/21 17:36	04/16/21 20:27	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		04/15/21 17:36	04/16/21 20:27	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:43	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*19 - 120*	*04/23/21 15:14*	*04/27/21 03:43*	*1*
Tetrachloro-m-xylene	*100*		*39 - 121*	*04/23/21 15:14*	*04/27/21 03:43*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.032**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:44	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:44	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00035**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:41	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:41	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:41	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:41	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:41	1
Barium, Dissolved	**0.027**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.51**	**J**	1.0	0.43	mg/L			04/23/21 00:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.62**				SU			04/06/21 17:53	1
Field Conductivity	**1138**				umhos/cm			04/06/21 17:53	1
Field Temperature	**14.8**				Degrees C			04/06/21 17:53	1
Field Turbidity	**9.83**				NTU			04/06/21 17:53	1
Ground Water Elevation	**898.10**				ft/msl			04/06/21 17:53	1
Oxidation Reduction Potential	**-103.2**				millivolts			04/06/21 17:53	1
Oxygen, Dissolved	**0.18**				mg/L			04/06/21 17:53	1
Depth to Water from Top of Casing	**15.58**				ft			04/06/21 17:53	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-279

Date Collected: 04/07/21 08:44
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-15

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0074	ug/L		04/19/21 15:52	04/19/21 21:23	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0056	ug/L		04/19/21 15:52	04/19/21 21:23	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:58	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*19 - 120*	*04/23/21 15:14*	*04/27/21 03:58*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*04/23/21 15:14*	*04/27/21 03:58*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**1.2**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:48	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:48	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00068**	**J**	0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:43	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:43	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:43	1
Silver, Dissolved	**0.000069**	**J**	0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:43	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:43	1
Barium, Dissolved	**1.1**	**E**	0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.4**		1.0	0.43	mg/L			04/23/21 00:55	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.54**				SU			04/07/21 08:44	1
Field Conductivity	**9371**				umhos/cm			04/07/21 08:44	1
Field Temperature	**12.9**				Degrees C			04/07/21 08:44	1
Field Turbidity	**5.36**				NTU			04/07/21 08:44	1
Ground Water Elevation	**900.73**				ft/msl			04/07/21 08:44	1
Oxidation Reduction Potential	**-44.2**				millivolts			04/07/21 08:44	1
Oxygen, Dissolved	**0.06**				mg/L			04/07/21 08:44	1
Depth to Water from Top of Casing	**9.63**				ft			04/07/21 08:44	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-405A

Date Collected: 04/07/21 09:40
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-16

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 21:43	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/19/21 15:52	04/19/21 21:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 04:14	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/27/21 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*19 - 120*	*04/23/21 15:14*	*04/27/21 04:14*	*1*
Tetrachloro-m-xylene	*100*		*39 - 121*	*04/23/21 15:14*	*04/27/21 04:14*	*1*

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	**0.014**		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 06:52	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 06:52	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 20:52	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 20:52	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 20:52	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 20:52	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 20:52	1
Barium, Dissolved	**0.012**		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 20:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.1**		1.0	0.43	mg/L			04/23/21 01:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.87**				SU			04/07/21 09:40	1
Field Conductivity	**2181**				umhos/cm			04/07/21 09:40	1
Field Temperature	**10.3**				Degrees C			04/07/21 09:40	1
Field Turbidity	**1.99**				NTU			04/07/21 09:40	1
Ground Water Elevation	**906.67**				ft/msl			04/07/21 09:40	1
Oxidation Reduction Potential	**73.3**				millivolts			04/07/21 09:40	1
Oxygen, Dissolved	**2.46**				mg/L			04/07/21 09:40	1
Depth to Water from Top of Casing	**4.35**				ft			04/07/21 09:40	1

Surrogate Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)
480-183180-1	MP-233R	102	107	109
480-183180-2	MP-233AR	100	94	100
480-183180-3	MP-403A	99	102	105
480-183180-4	MP-234R	98	90	99
480-183180-5	MP-234AR	104	108	109
480-183180-6	DUPLICATE-DMP#2	104	102	105
480-183180-7	MP-228R	103	95	100
480-183180-8	MP-228AR	99	92	99
480-183180-9	DUPLICATE-DMP#1	102	107	109
480-183180-10	MP-244R	103	103	105
480-183180-11	MP-244ARR	102	100	105
480-183180-12	MP-241R	100	96	103
480-183180-13	MP-401B	98	102	104
480-183180-14	MP-402A	102	98	100
480-183180-15	MP-232A	101	101	103
480-183180-16	MP-214BR	106	108	107
480-183180-17	MP-404	104	105	104
480-183180-18	MP-404A	112	100	104
480-183180-19	MP-407	107	103	105
480-183180-20	MP-230A	109	102	102
480-183180-21	MP-401A	106	104	102
480-183180-22	MP-281C	107	106	103
480-183180-22 MS	MP-281C	101	99	101
480-183180-22 MSD	MP-281C	101	110	103
480-183180-23	MP-211BR	111	104	103
480-183180-24	MP-251A	108	104	104
480-183180-25	MP-409	105	102	103
480-183180-26	MP-210AR	106	106	106
480-183180-27	MP-280A	110	104	102
480-183180-28	DUPLICATE-DMP#3	105	98	102
480-183180-29	MP-408	101	101	102
480-183180-30	MP-280	105	106	108
480-183180-31	MP-274A	100	97	100
480-183180-32	MP-274	107	100	98
480-183180-33	MP-286C	105	107	106
LCS 480-576214/4	Lab Control Sample	101	107	106
LCS 480-576247/5	Lab Control Sample	92	96	102
LCS 480-576253/5	Lab Control Sample	103	105	106
LCS 480-576402/5	Lab Control Sample	101	107	103
MB 480-576214/6	Method Blank	106	102	102
MB 480-576247/7	Method Blank	97	103	106
MB 480-576253/7	Method Blank	105	101	104
MB 480-576402/7	Method Blank	103	106	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Republic Services Inc
Job ID: 480-183180-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCBP2 (19-120)	TCX2 (39-121)								
480-183180-1	MP-233R	79	100								
480-183180-2	MP-233AR	72	105								
480-183180-3	MP-403A	79	97								
480-183180-4	MP-234R	77	104								
480-183180-5	MP-234AR	82	104								
480-183180-6	DUPLICATE-DMP#2	79	102								
480-183180-7	MP-228R	76	101								
480-183180-8	MP-228AR	81	105								
480-183180-9	DUPLICATE-DMP#1	78	97								
480-183180-10	MP-244R	82	105								
480-183180-11	MP-244ARR	81	106								
480-183180-12	MP-241R	85	111								
480-183180-13	MP-401B	87	108								
480-183180-14	MP-402A	77	112								
480-183180-15	MP-232A	73	117								
480-183180-16	MP-214BR	76	110								
480-183180-17	MP-404	116	112								
480-183180-18	MP-404A	77	122 S1+								
480-183180-19	MP-407	115	107								
480-183180-20	MP-230A	75	126 S1+								
480-183180-21	MP-401A	103	106								
480-183180-22	MP-281C	78	112								
480-183180-22 MS	MP-281C	69	99								
480-183180-22 MSD	MP-281C	78	110								
480-183180-23	MP-211BR	119	108								
480-183180-24	MP-251A	85	129 S1+								
480-183180-25	MP-409	104	93								
480-183180-26	MP-210AR	104	85								
480-183180-27	MP-280A	60	88								
480-183180-28	DUPLICATE-DMP#3	52	95								
480-183180-29	MP-408	29	89								
480-183180-30	MP-280	34	92								
480-183180-31	MP-274A	56	87								
480-183180-32	MP-274	39	90								
480-183180-33	MP-286C	109	90								
LCS 480-577074/2-A	Lab Control Sample	55	85								
LCS 480-577165/2-A	Lab Control Sample	53	95								
LCS 480-577251/2-A	Lab Control Sample	71	103								
LCSD 480-577074/3-A	Lab Control Sample Dup	52	84								
LCSD 480-577251/3-A	Lab Control Sample Dup	75	99								
MB 480-577074/1-A	Method Blank	59	87								
MB 480-577165/1-A	Method Blank	61	93								
MB 480-577251/1-A	Method Blank	86	95								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Republic Services Inc
Job ID: 480-183180-1
Project/Site: Aber Rd. Landfill - DMP Semiannual

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCBP1 (19-120)	TCX1 (39-121)								
480-183292-1	MP-235CR	75	85								
480-183292-2	MP-235BR	74	81								
480-183292-3	MP-235R	77	88								
480-183292-4	MP-206AR	71	82								
480-183292-5	MP-406C	71	77								
480-183292-6	FIELD BLANK DMP #1	30	77								
480-183292-7	MP-281	79	86								
480-183292-8	MP-231AR	75	84								
480-183292-9	MP-277A	76	88								
480-183292-10	MP-238R	74	85								
480-183292-11	MP-250	83	91								
480-183292-12	MP-250A	87	97								
480-183292-13	MP-213A	76	88								
480-183292-14	MP-237	89	100								
480-183292-15	MP-279	72	95								
480-183292-16	MP-405A	87	100								
LCS 480-577675/2-A	Lab Control Sample	52	77								
LCSD 480-577675/3-A	Lab Control Sample Dup	52	80								
MB 480-577675/1-A	Method Blank	58	80								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-576214/6
Matrix: Water
Analysis Batch: 576214

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/13/21 22:27	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/13/21 22:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/13/21 22:27	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/13/21 22:27	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/13/21 22:27	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/13/21 22:27	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/13/21 22:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/13/21 22:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/13/21 22:27	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/13/21 22:27	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/13/21 22:27	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/13/21 22:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/13/21 22:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/13/21 22:27	1
1,4-Dioxane	ND		40	9.3	ug/L			04/13/21 22:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/13/21 22:27	1
2-Hexanone	ND		10	1.2	ug/L			04/13/21 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/13/21 22:27	1
Acetone	ND		10	3.0	ug/L			04/13/21 22:27	1
Acetonitrile	ND		170	4.9	ug/L			04/13/21 22:27	1
Acrolein	ND		20	0.91	ug/L			04/13/21 22:27	1
Acrylonitrile	ND		20	0.83	ug/L			04/13/21 22:27	1
Benzene	ND		2.0	0.41	ug/L			04/13/21 22:27	1
Bromoform	ND		2.0	0.26	ug/L			04/13/21 22:27	1
Bromomethane	ND		2.0	0.69	ug/L			04/13/21 22:27	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/13/21 22:27	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/13/21 22:27	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/13/21 22:27	1
Chloroethane	ND		2.0	0.32	ug/L			04/13/21 22:27	1
Chloroform	ND		2.0	0.34	ug/L			04/13/21 22:27	1
Chloromethane	ND		2.0	0.35	ug/L			04/13/21 22:27	1
Chloroprene	ND		1.0	0.49	ug/L			04/13/21 22:27	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/13/21 22:27	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/13/21 22:27	1
Dibromomethane	ND		2.0	0.41	ug/L			04/13/21 22:27	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/13/21 22:27	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/13/21 22:27	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/13/21 22:27	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/13/21 22:27	1
Iodomethane	ND		2.0	0.30	ug/L			04/13/21 22:27	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/13/21 22:27	1
Methacrylonitrile	ND		10	0.69	ug/L			04/13/21 22:27	1
Methyl methacrylate	ND		10	0.61	ug/L			04/13/21 22:27	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/13/21 22:27	1
Naphthalene	ND		1.0	0.43	ug/L			04/13/21 22:27	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/13/21 22:27	1
Propionitrile	ND		50	5.8	ug/L			04/13/21 22:27	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/13/21 22:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576214/6
Matrix: Water
Analysis Batch: 576214

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/13/21 22:27	1
Toluene	ND		2.0	0.51	ug/L			04/13/21 22:27	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/13/21 22:27	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/13/21 22:27	1
Trichloroethene	ND		2.0	0.46	ug/L			04/13/21 22:27	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/13/21 22:27	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/13/21 22:27	1
Vinyl acetate	ND		10	0.85	ug/L			04/13/21 22:27	1
Styrene	ND		2.0	0.73	ug/L			04/13/21 22:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/13/21 22:27	1
Allyl chloride	ND		2.0	0.44	ug/L			04/13/21 22:27	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/13/21 22:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/13/21 22:27*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/13/21 22:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/13/21 22:27*	*1*

Lab Sample ID: LCS 480-576214/4
Matrix: Water
Analysis Batch: 576214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	22.9		ug/L		91	66 - 127
Benzene	25.0	25.0		ug/L		100	71 - 124
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Toluene	25.0	26.2		ug/L		105	80 - 122
Trichloroethene	25.0	26.1		ug/L		104	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 480-183180-22 MS
Matrix: Water
Analysis Batch: 576214

Client Sample ID: MP-281C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND	F1	25.0	31.9	F1	ug/L		128	66 - 127
Benzene	ND	F1	25.0	32.1	F1	ug/L		128	71 - 124
Chlorobenzene	ND	F1	25.0	32.1	F1	ug/L		128	80 - 120
Toluene	ND	F1	25.0	31.5	F1	ug/L		126	80 - 122
Trichloroethene	ND	F1	25.0	33.3	F1	ug/L		133	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-183180-22 MS
Matrix: Water
Analysis Batch: 576214

Client Sample ID: MP-281C
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-183180-22 MSD
Matrix: Water
Analysis Batch: 576214

Client Sample ID: MP-281C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND	F1	25.0	29.6		ug/L		118	66 - 127	8	16
Benzene	ND	F1	25.0	30.0		ug/L		120	71 - 124	7	13
Chlorobenzene	ND	F1	25.0	30.6	F1	ug/L		122	80 - 120	5	25
Toluene	ND	F1	25.0	30.1		ug/L		120	80 - 122	4	15
Trichloroethene	ND	F1	25.0	31.4	F1	ug/L		126	74 - 123	6	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 480-576247/7
Matrix: Water
Analysis Batch: 576247

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 11:24	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 11:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 11:24	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 11:24	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 11:24	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 11:24	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 11:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 11:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 11:24	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 11:24	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 11:24	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 11:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 11:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 11:24	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 11:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 11:24	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 11:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 11:24	1
Acetone	ND		10	3.0	ug/L			04/14/21 11:24	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 11:24	1
Acrolein	ND		20	0.91	ug/L			04/14/21 11:24	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 11:24	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 11:24	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 11:24	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 11:24	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576247/7
Matrix: Water
Analysis Batch: 576247

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 11:24	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 11:24	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 11:24	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 11:24	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 11:24	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 11:24	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 11:24	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 11:24	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 11:24	1
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 11:24	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 11:24	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 11:24	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 11:24	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 11:24	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 11:24	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 11:24	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 11:24	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 11:24	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 11:24	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 11:24	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 11:24	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 11:24	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 11:24	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 11:24	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 11:24	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 11:24	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 11:24	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 11:24	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 11:24	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 11:24	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 11:24	1
Styrene	ND		2.0	0.73	ug/L			04/14/21 11:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 11:24	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 11:24	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/14/21 11:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/14/21 11:24*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/14/21 11:24*	*1*

Lab Sample ID: LCS 480-576247/5
Matrix: Water
Analysis Batch: 576247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
Benzene	25.0	23.5		ug/L		94	71 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-576247/5
Matrix: Water
Analysis Batch: 576247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Toluene	25.0	24.9		ug/L		100	80 - 122
Trichloroethene	25.0	23.2		ug/L		93	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 480-576253/7
Matrix: Water
Analysis Batch: 576253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/14/21 11:01	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/14/21 11:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/14/21 11:01	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/14/21 11:01	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/14/21 11:01	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/14/21 11:01	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/14/21 11:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/14/21 11:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/14/21 11:01	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/14/21 11:01	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/14/21 11:01	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/14/21 11:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/14/21 11:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/14/21 11:01	1
1,4-Dioxane	ND		40	9.3	ug/L			04/14/21 11:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/14/21 11:01	1
2-Hexanone	ND		10	1.2	ug/L			04/14/21 11:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/14/21 11:01	1
Acetone	ND		10	3.0	ug/L			04/14/21 11:01	1
Acetonitrile	ND		170	4.9	ug/L			04/14/21 11:01	1
Acrolein	ND		20	0.91	ug/L			04/14/21 11:01	1
Acrylonitrile	ND		20	0.83	ug/L			04/14/21 11:01	1
Benzene	ND		2.0	0.41	ug/L			04/14/21 11:01	1
Bromoform	ND		2.0	0.26	ug/L			04/14/21 11:01	1
Bromomethane	ND		2.0	0.69	ug/L			04/14/21 11:01	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/14/21 11:01	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/14/21 11:01	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/14/21 11:01	1
Chloroethane	ND		2.0	0.32	ug/L			04/14/21 11:01	1
Chloroform	ND		2.0	0.34	ug/L			04/14/21 11:01	1
Chloromethane	ND		2.0	0.35	ug/L			04/14/21 11:01	1
Chloroprene	ND		1.0	0.49	ug/L			04/14/21 11:01	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/14/21 11:01	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/14/21 11:01	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576253/7
Matrix: Water
Analysis Batch: 576253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		2.0	0.41	ug/L			04/14/21 11:01	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/14/21 11:01	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/14/21 11:01	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/14/21 11:01	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/14/21 11:01	1
Iodomethane	ND		2.0	0.30	ug/L			04/14/21 11:01	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/14/21 11:01	1
Methacrylonitrile	ND		10	0.69	ug/L			04/14/21 11:01	1
Methyl methacrylate	ND		10	0.61	ug/L			04/14/21 11:01	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/14/21 11:01	1
Naphthalene	ND		1.0	0.43	ug/L			04/14/21 11:01	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/14/21 11:01	1
Propionitrile	ND		50	5.8	ug/L			04/14/21 11:01	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/14/21 11:01	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/14/21 11:01	1
Toluene	ND		2.0	0.51	ug/L			04/14/21 11:01	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/14/21 11:01	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/14/21 11:01	1
Trichloroethene	ND		2.0	0.46	ug/L			04/14/21 11:01	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/14/21 11:01	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/14/21 11:01	1
Vinyl acetate	ND		10	0.85	ug/L			04/14/21 11:01	1
Styrene	ND		2.0	0.73	ug/L			04/14/21 11:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/14/21 11:01	1
Allyl chloride	ND		2.0	0.44	ug/L			04/14/21 11:01	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/14/21 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/14/21 11:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/14/21 11:01*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/14/21 11:01*	*1*

Lab Sample ID: LCS 480-576253/5
Matrix: Water
Analysis Batch: 576253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	25.5		ug/L		102	66 - 127
Benzene	25.0	26.5		ug/L		106	71 - 124
Chlorobenzene	25.0	27.5		ug/L		110	80 - 120
Toluene	25.0	26.4		ug/L		106	80 - 122
Trichloroethene	25.0	27.3		ug/L		109	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576402/7
Matrix: Water
Analysis Batch: 576402

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.35	ug/L			04/15/21 11:47	1
1,1,1-Trichloroethane	ND		2.0	0.82	ug/L			04/15/21 11:47	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.21	ug/L			04/15/21 11:47	1
1,1,2-Trichloroethane	ND		2.0	0.23	ug/L			04/15/21 11:47	1
1,1-Dichloroethane	ND		2.0	0.38	ug/L			04/15/21 11:47	1
1,1-Dichloroethene	ND		2.0	0.29	ug/L			04/15/21 11:47	1
1,2,3-Trichloropropane	ND		2.0	0.89	ug/L			04/15/21 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/15/21 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/15/21 11:47	1
1,2-Dichloroethane	ND		2.0	0.21	ug/L			04/15/21 11:47	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			04/15/21 11:47	1
1,2-Dichloropropane	ND		2.0	0.72	ug/L			04/15/21 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/15/21 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/15/21 11:47	1
1,4-Dioxane	ND		40	9.3	ug/L			04/15/21 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/15/21 11:47	1
2-Hexanone	ND		10	1.2	ug/L			04/15/21 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	2.1	ug/L			04/15/21 11:47	1
Acetone	ND		10	3.0	ug/L			04/15/21 11:47	1
Acetonitrile	ND		170	4.9	ug/L			04/15/21 11:47	1
Acrolein	ND		20	0.91	ug/L			04/15/21 11:47	1
Acrylonitrile	ND		20	0.83	ug/L			04/15/21 11:47	1
Benzene	ND		2.0	0.41	ug/L			04/15/21 11:47	1
Bromoform	ND		2.0	0.26	ug/L			04/15/21 11:47	1
Bromomethane	ND		2.0	0.69	ug/L			04/15/21 11:47	1
Carbon disulfide	ND		2.0	0.19	ug/L			04/15/21 11:47	1
Carbon tetrachloride	ND		2.0	0.27	ug/L			04/15/21 11:47	1
Chlorobenzene	ND		2.0	0.75	ug/L			04/15/21 11:47	1
Chloroethane	ND		2.0	0.32	ug/L			04/15/21 11:47	1
Chloroform	ND		2.0	0.34	ug/L			04/15/21 11:47	1
Chloromethane	ND		2.0	0.35	ug/L			04/15/21 11:47	1
Chloroprene	ND		1.0	0.49	ug/L			04/15/21 11:47	1
Bromodichloromethane	ND		2.0	0.39	ug/L			04/15/21 11:47	1
Dibromochloromethane	ND		2.0	0.32	ug/L			04/15/21 11:47	1
Dibromomethane	ND		2.0	0.41	ug/L			04/15/21 11:47	1
Dichlorodifluoromethane	ND		2.0	0.68	ug/L			04/15/21 11:47	1
Ethyl methacrylate	ND		2.0	0.59	ug/L			04/15/21 11:47	1
Ethylbenzene	ND		2.0	0.74	ug/L			04/15/21 11:47	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			04/15/21 11:47	1
Iodomethane	ND		2.0	0.30	ug/L			04/15/21 11:47	1
Isobutyl alcohol	ND		1000	4.8	ug/L			04/15/21 11:47	1
Methacrylonitrile	ND		10	0.69	ug/L			04/15/21 11:47	1
Methyl methacrylate	ND		10	0.61	ug/L			04/15/21 11:47	1
Methylene Chloride	ND		2.0	0.44	ug/L			04/15/21 11:47	1
Naphthalene	ND		1.0	0.43	ug/L			04/15/21 11:47	1
Pentachloroethane	ND		1.0	0.34	ug/L			04/15/21 11:47	1
Propionitrile	ND		50	5.8	ug/L			04/15/21 11:47	1
Tetrachloroethene	ND		2.0	0.36	ug/L			04/15/21 11:47	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-576402/7
Matrix: Water
Analysis Batch: 576402

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		5.0	1.3	ug/L			04/15/21 11:47	1
Toluene	ND		2.0	0.51	ug/L			04/15/21 11:47	1
trans-1,3-Dichloropropene	ND		2.0	0.37	ug/L			04/15/21 11:47	1
trans-1,4-Dichloro-2-butene	ND		5.0	0.22	ug/L			04/15/21 11:47	1
Trichloroethene	ND		2.0	0.46	ug/L			04/15/21 11:47	1
Trichlorofluoromethane	ND		2.0	0.88	ug/L			04/15/21 11:47	1
cis-1,3-Dichloropropene	ND		2.0	0.36	ug/L			04/15/21 11:47	1
Vinyl acetate	ND		10	0.85	ug/L			04/15/21 11:47	1
Styrene	ND		2.0	0.73	ug/L			04/15/21 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/15/21 11:47	1
Allyl chloride	ND		2.0	0.44	ug/L			04/15/21 11:47	1
Xylenes, Total	ND		3.0	0.66	ug/L			04/15/21 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/15/21 11:47*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/15/21 11:47*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/15/21 11:47*	*1*

Lab Sample ID: LCS 480-576402/5
Matrix: Water
Analysis Batch: 576402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	26.0		ug/L		104	66 - 127
Benzene	25.0	25.8		ug/L		103	71 - 124
Chlorobenzene	25.0	27.7		ug/L		111	80 - 120
Toluene	25.0	26.6		ug/L		106	80 - 122
Trichloroethene	25.0	27.5		ug/L		110	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-576493/1-A
Matrix: Water
Analysis Batch: 576543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 15:05	04/15/21 20:16	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 15:05	04/15/21 20:16	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 480-576493/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576493**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.109	0.0887		ug/L		81	46 - 150
1,2-Dibromo-3-Chloropropane	0.109	0.112		ug/L		103	43 - 150

Lab Sample ID: LCSD 480-576493/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576493**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.110	0.0931		ug/L		85	46 - 150	5	40
1,2-Dibromo-3-Chloropropane	0.110	0.112		ug/L		102	43 - 150	1	40

Lab Sample ID: MB 480-576519/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576519**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/15/21 16:58	04/16/21 04:33	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/15/21 16:58	04/16/21 04:33	1

Lab Sample ID: LCS 480-576519/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576519**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.108	0.0995		ug/L		92	46 - 150
1,2-Dibromo-3-Chloropropane	0.108	0.115		ug/L		106	43 - 150

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		0.110	0.0824		ug/L		75	41 - 150
1,2-Dibromo-3-Chloropropane	ND		0.110	0.0666		ug/L		60	42 - 150

Lab Sample ID: 480-183180-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		0.108	0.0800		ug/L		74	41 - 150	3	40
1,2-Dibromo-3-Chloropropane	ND		0.108	0.0871		ug/L		81	42 - 150	27	40

Lab Sample ID: MB 480-576534/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576534**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.010	0.0075	ug/L		04/15/21 17:35	04/16/21 12:29	1
1,2-Dibromo-3-Chloropropane	ND		0.010	0.0057	ug/L		04/15/21 17:35	04/16/21 12:29	1

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: LCS 480-576534/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576534**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.109	0.0998		ug/L		92	46 - 150
1,2-Dibromo-3-Chloropropane	0.109	0.118		ug/L		108	43 - 150

Lab Sample ID: LCSD 480-576534/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576543 — **Prep Batch: 576534**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.111	0.109		ug/L		98	46 - 150	8	40
1,2-Dibromo-3-Chloropropane	0.111	0.0874		ug/L		79	43 - 150	30	40

Lab Sample ID: MB 480-576915/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576903 — **Prep Batch: 576915**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/19/21 15:52	04/19/21 17:43	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0057	ug/L		04/19/21 15:52	04/19/21 17:43	1

Lab Sample ID: LCS 480-576915/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576903 — **Prep Batch: 576915**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.110	0.103		ug/L		93	46 - 150
1,2-Dibromo-3-Chloropropane	0.110	0.113		ug/L		102	43 - 150

Lab Sample ID: MB 480-577071/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577095 — **Prep Batch: 577071**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011	0.0076	ug/L		04/20/21 14:52	04/20/21 19:09	1
1,2-Dibromo-3-Chloropropane	ND		0.011	0.0058	ug/L		04/20/21 14:52	04/20/21 19:09	1

Lab Sample ID: LCS 480-577071/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577095 — **Prep Batch: 577071**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	0.110	0.105		ug/L		95	46 - 150
1,2-Dibromo-3-Chloropropane	0.110	0.114		ug/L		103	43 - 150

Lab Sample ID: LCSD 480-577071/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577095 — **Prep Batch: 577071**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	0.109	0.102		ug/L		94	46 - 150	2	40
1,2-Dibromo-3-Chloropropane	0.109	0.113		ug/L		104	43 - 150	1	40

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-577074/1-A
Matrix: Water
Analysis Batch: 577645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 577074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1221	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1232	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1242	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1248	ND		0.50	0.18	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1254	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 19:23	1
PCB-1260	ND		0.50	0.25	ug/L		04/20/21 15:02	04/23/21 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*19 - 120*	*04/20/21 15:02*	*04/23/21 19:23*	*1*
Tetrachloro-m-xylene	*87*		*39 - 121*	*04/20/21 15:02*	*04/23/21 19:23*	*1*

Lab Sample ID: LCS 480-577074/2-A
Matrix: Water
Analysis Batch: 577645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 577074

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.03		ug/L		101	62 - 130		
PCB-1260			4.00	3.74		ug/L		93	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*55*		*19 - 120*
Tetrachloro-m-xylene	*85*		*39 - 121*

Lab Sample ID: LCSD 480-577074/3-A
Matrix: Water
Analysis Batch: 577645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 577074

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.98		ug/L		100	62 - 130	1	50
PCB-1260			4.00	3.70		ug/L		92	56 - 123	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*		*19 - 120*
Tetrachloro-m-xylene	*84*		*39 - 121*

Lab Sample ID: MB 480-577165/1-A
Matrix: Water
Analysis Batch: 577479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 577165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 08:24	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 08:49	04/23/21 08:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		19 - 120	04/21/21 08:49	04/23/21 08:24	1
Tetrachloro-m-xylene	93		39 - 121	04/21/21 08:49	04/23/21 08:24	1

Lab Sample ID: LCS 480-577165/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577479 — **Prep Batch: 577165**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.39		ug/L		110	62 - 130
PCB-1260	4.00	4.00		ug/L		100	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	53		19 - 120
Tetrachloro-m-xylene	95		39 - 121

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577479 — **Prep Batch: 577165**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		4.00	4.53		ug/L		113	28 - 150
PCB-1260	ND		4.00	4.09		ug/L		102	25 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	69		19 - 120
Tetrachloro-m-xylene	99		39 - 121

Lab Sample ID: 480-183180-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577479 — **Prep Batch: 577165**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	5.06		ug/L		127	28 - 150	11	50
PCB-1260	ND		4.00	4.63		ug/L		116	25 - 131	12	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	78		19 - 120
Tetrachloro-m-xylene	110		39 - 121

Lab Sample ID: MB 480-577251/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577242 — **Prep Batch: 577251**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1221	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1232	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1242	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1248	ND		0.50	0.18	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1254	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 09:34	1
PCB-1260	ND		0.50	0.25	ug/L		04/21/21 14:57	04/22/21 09:34	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		19 - 120	04/21/21 14:57	04/22/21 09:34	1
Tetrachloro-m-xylene	95		39 - 121	04/21/21 14:57	04/22/21 09:34	1

Lab Sample ID: LCS 480-577251/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577242 — **Prep Batch: 577251**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.60		ug/L		115	62 - 130
PCB-1260	4.00	4.75		ug/L		119	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	71		19 - 120
Tetrachloro-m-xylene	103		39 - 121

Lab Sample ID: LCSD 480-577251/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577242 — **Prep Batch: 577251**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	4.00	4.46		ug/L		111	62 - 130	3	50
PCB-1260	4.00	4.71		ug/L		118	56 - 123	1	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	75		19 - 120
Tetrachloro-m-xylene	99		39 - 121

Lab Sample ID: MB 480-577675/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577991 — **Prep Batch: 577675**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1221	ND		0.50	0.18	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1232	ND		0.50	0.18	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1242	ND		0.50	0.18	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1248	ND		0.50	0.18	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1254	ND		0.50	0.25	ug/L		04/23/21 15:14	04/26/21 23:29	1
PCB-1260	ND		0.50	0.25	ug/L		04/23/21 15:14	04/26/21 23:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		19 - 120	04/23/21 15:14	04/26/21 23:29	1
Tetrachloro-m-xylene	80		39 - 121	04/23/21 15:14	04/26/21 23:29	1

Lab Sample ID: LCS 480-577675/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577991 — **Prep Batch: 577675**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.42		ug/L		85	62 - 130
PCB-1260	4.00	3.45		ug/L		86	56 - 123

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		19 - 120
Tetrachloro-m-xylene	77		39 - 121

Lab Sample ID: LCSD 480-577675/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577991 — **Prep Batch: 577675**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.32		ug/L		83	62 - 130	3	50
PCB-1260			4.00	3.63		ug/L		91	56 - 123	5	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	52		19 - 120
Tetrachloro-m-xylene	80		39 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-576303/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 576860 — **Prep Batch: 576303**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		04/14/21 10:57	04/16/21 18:04	1
Chromium, Dissolved	0.00346	J	0.0050	0.0010	mg/L		04/14/21 10:57	04/16/21 18:04	1

Lab Sample ID: LCS 480-576303/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 576860 — **Prep Batch: 576303**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium, Dissolved			0.200	0.222		mg/L		111	80 - 120		
Chromium, Dissolved			0.200	0.208		mg/L		104	80 - 120		

Lab Sample ID: MB 480-576305/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 576867 — **Prep Batch: 576305**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		04/14/21 11:00	04/16/21 15:56	1
Chromium, Dissolved	ND		0.0050	0.0010	mg/L		04/14/21 11:00	04/16/21 15:56	1

Lab Sample ID: LCS 480-576305/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 576867 — **Prep Batch: 576305**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium, Dissolved			0.200	0.219		mg/L		110	80 - 120		
Chromium, Dissolved			0.200	0.201		mg/L		100	80 - 120		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-576741/1-A
Matrix: Water
Analysis Batch: 578561

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 576741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		04/22/21 09:23	04/29/21 04:40	1
Chromium, Dissolved	ND	^+	0.0050	0.0010	mg/L		04/22/21 09:23	04/29/21 04:40	1

Lab Sample ID: LCS 480-576741/2-A
Matrix: Water
Analysis Batch: 578561

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 576741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.200	0.192		mg/L		96	80 - 120
Chromium, Dissolved	0.200	0.204	^+	mg/L		102	80 - 120

Lab Sample ID: 480-183180-1 MS
Matrix: Water
Analysis Batch: 576860

Client Sample ID: MP-233R
Prep Type: Dissolved
Prep Batch: 576303

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.45		0.200	0.646		mg/L		98	75 - 125
Chromium, Dissolved	ND		0.200	0.194	^+	mg/L		97	75 - 125

Lab Sample ID: 480-183180-1 MSD
Matrix: Water
Analysis Batch: 576860

Client Sample ID: MP-233R
Prep Type: Dissolved
Prep Batch: 576303

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.45		0.200	0.644		mg/L		97	75 - 125	0	20
Chromium, Dissolved	ND		0.200	0.196	^+	mg/L		98	75 - 125	1	20

Lab Sample ID: 480-183180-22 MS
Matrix: Water
Analysis Batch: 576867

Client Sample ID: MP-281C
Prep Type: Dissolved
Prep Batch: 576305

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium, Dissolved	0.053		0.200	0.261		mg/L		104	75 - 125
Chromium, Dissolved	ND		0.200	0.197		mg/L		98	75 - 125

Lab Sample ID: 480-183180-22 MSD
Matrix: Water
Analysis Batch: 576867

Client Sample ID: MP-281C
Prep Type: Dissolved
Prep Batch: 576305

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium, Dissolved	0.053		0.200	0.262		mg/L		105	75 - 125	0	20
Chromium, Dissolved	ND		0.200	0.196		mg/L		98	75 - 125	0	20

QC Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-576306/1-A
Matrix: Water
Analysis Batch: 576614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:03	04/15/21 18:44	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:03	04/15/21 18:44	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:03	04/15/21 18:44	1
Silver, Dissolved	0.0000380	J	0.0030	0.000036	mg/L		04/14/21 11:03	04/15/21 18:44	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:03	04/15/21 18:44	1
Barium, Dissolved	0.000156	J	0.0010	0.00015	mg/L		04/14/21 11:03	04/15/21 18:44	1

Lab Sample ID: LCS 480-576306/2-A
Matrix: Water
Analysis Batch: 576614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0191		mg/L		95	80 - 120
Cadmium, Dissolved	0.0200	0.0200		mg/L		100	80 - 120
Lead, Dissolved	0.0200	0.0213		mg/L		106	80 - 120
Silver, Dissolved	0.0200	0.0212		mg/L		106	80 - 120
Selenium, Dissolved	0.0200	0.0199		mg/L		100	80 - 120
Barium, Dissolved	0.0200	0.0210		mg/L		105	80 - 120

Lab Sample ID: MB 480-576307/1-A
Matrix: Water
Analysis Batch: 576613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/14/21 11:07	04/15/21 17:33	1
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/14/21 11:07	04/15/21 17:33	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/14/21 11:07	04/15/21 17:33	1
Silver, Dissolved	0.0000730	J	0.0030	0.000036	mg/L		04/14/21 11:07	04/15/21 17:33	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/14/21 11:07	04/15/21 17:33	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		04/14/21 11:07	04/15/21 17:33	1

Lab Sample ID: LCS 480-576307/2-A
Matrix: Water
Analysis Batch: 576613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0187		mg/L		93	80 - 120
Cadmium, Dissolved	0.0200	0.0198		mg/L		99	80 - 120
Lead, Dissolved	0.0200	0.0205		mg/L		103	80 - 120
Silver, Dissolved	0.0200	0.0212		mg/L		106	80 - 120
Selenium, Dissolved	0.0200	0.0196		mg/L		98	80 - 120
Barium, Dissolved	0.0200	0.0204		mg/L		102	80 - 120

Lab Sample ID: MB 480-576740/1-A
Matrix: Water
Analysis Batch: 577172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.0010	0.00027	mg/L		04/20/21 13:57	04/20/21 19:34	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 480-576740/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577172 — **Prep Batch: 576740**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium, Dissolved	ND		0.0010	0.000071	mg/L		04/20/21 13:57	04/20/21 19:34	1
Lead, Dissolved	ND		0.0050	0.00017	mg/L		04/20/21 13:57	04/20/21 19:34	1
Silver, Dissolved	ND		0.0030	0.000036	mg/L		04/20/21 13:57	04/20/21 19:34	1
Selenium, Dissolved	ND		0.015	0.00044	mg/L		04/20/21 13:57	04/20/21 19:34	1
Barium, Dissolved	ND		0.0010	0.00015	mg/L		04/20/21 13:57	04/20/21 19:34	1

Lab Sample ID: LCS 480-576740/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577172 — **Prep Batch: 576740**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0200	0.0185		mg/L		93	80 - 120
Cadmium, Dissolved	0.0200	0.0197		mg/L		99	80 - 120
Lead, Dissolved	0.0200	0.0208		mg/L		104	80 - 120
Silver, Dissolved	0.0200	0.0208		mg/L		104	80 - 120
Selenium, Dissolved	0.0200	0.0197		mg/L		99	80 - 120
Barium, Dissolved	0.0200	0.0194		mg/L		97	80 - 120

Lab Sample ID: 480-183180-2 MS — **Client Sample ID: MP-233AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576614 — **Prep Batch: 576306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0051		0.0200	0.0263		mg/L		106	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0194		mg/L		97	75 - 125
Lead, Dissolved	ND		0.0200	0.0197		mg/L		99	75 - 125
Silver, Dissolved	ND		0.0200	0.0199		mg/L		99	75 - 125
Selenium, Dissolved	ND		0.0200	0.0206		mg/L		103	75 - 125
Barium, Dissolved	0.021	B	0.0200	0.0404		mg/L		97	75 - 125

Lab Sample ID: 480-183180-2 MSD — **Client Sample ID: MP-233AR**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576614 — **Prep Batch: 576306**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0051		0.0200	0.0264		mg/L		106	75 - 125	0	20
Cadmium, Dissolved	ND		0.0200	0.0194		mg/L		97	75 - 125	0	20
Lead, Dissolved	ND		0.0200	0.0199		mg/L		100	75 - 125	1	20
Silver, Dissolved	ND		0.0200	0.0198		mg/L		99	75 - 125	0	20
Selenium, Dissolved	ND		0.0200	0.0204		mg/L		102	75 - 125	1	20
Barium, Dissolved	0.021	B	0.0200	0.0408		mg/L		99	75 - 125	1	20

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576613 — **Prep Batch: 576307**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.0045		0.0200	0.0256		mg/L		105	75 - 125
Cadmium, Dissolved	ND		0.0200	0.0196		mg/L		98	75 - 125
Lead, Dissolved	ND		0.0200	0.0198		mg/L		99	75 - 125

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576613 — **Prep Batch: 576307**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver, Dissolved	0.000057	J B	0.0200	0.0200		mg/L		99	75 - 125
Selenium, Dissolved	ND		0.0200	0.0201		mg/L		101	75 - 125
Barium, Dissolved	0.051		0.0200	0.0704		mg/L		99	75 - 125

Lab Sample ID: 480-183180-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576613 — **Prep Batch: 576307**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0045		0.0200	0.0255		mg/L		105	75 - 125	0	20
Cadmium, Dissolved	ND		0.0200	0.0198		mg/L		99	75 - 125	1	20
Lead, Dissolved	ND		0.0200	0.0195		mg/L		98	75 - 125	2	20
Silver, Dissolved	0.000057	J B	0.0200	0.0203		mg/L		101	75 - 125	2	20
Selenium, Dissolved	ND		0.0200	0.0200		mg/L		100	75 - 125	1	20
Barium, Dissolved	0.051		0.0200	0.0708		mg/L		101	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-576316/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576365 — **Prep Batch: 576316**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 16:56	1

Lab Sample ID: LCS 480-576316/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576365 — **Prep Batch: 576316**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00663		mg/L		99	80 - 120

Lab Sample ID: MB 480-576318/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576365 — **Prep Batch: 576318**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/14/21 13:47	04/14/21 17:34	1

Lab Sample ID: LCS 480-576318/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576365 — **Prep Batch: 576318**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00672		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 480-576475/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576539 — **Prep Batch: 576475**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 17:34	1

Lab Sample ID: LCS 480-576475/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576539 — **Prep Batch: 576475**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00685		mg/L		103	80 - 120

Lab Sample ID: MB 480-576476/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576539 — **Prep Batch: 576476**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/15/21 13:29	04/15/21 18:16	1

Lab Sample ID: LCS 480-576476/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 576539 — **Prep Batch: 576476**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00732		mg/L		110	80 - 120

Lab Sample ID: MB 480-577040/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577118 — **Prep Batch: 577040**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	ND		0.00020	0.00012	mg/L		04/20/21 13:58	04/20/21 17:31	1

Lab Sample ID: LCS 480-577040/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577118 — **Prep Batch: 577040**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00667	0.00648		mg/L		97	80 - 120

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576365 — **Prep Batch: 576318**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	ND		0.00667	0.00665		mg/L		100	80 - 120

Lab Sample ID: 480-183180-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 576365 — **Prep Batch: 576318**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00662		mg/L		99	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 480-183180-24 MS
Matrix: Water
Analysis Batch: 576539

Client Sample ID: MP-251A
Prep Type: Dissolved
Prep Batch: 576475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury, Dissolved	ND		0.00667	0.00708		mg/L		106	80 - 120		

Lab Sample ID: 480-183180-24 MSD
Matrix: Water
Analysis Batch: 576539

Client Sample ID: MP-251A
Prep Type: Dissolved
Prep Batch: 576475

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00705		mg/L		106	80 - 120	0	20

Lab Sample ID: 480-183292-7 MS
Matrix: Water
Analysis Batch: 577118

Client Sample ID: MP-281
Prep Type: Dissolved
Prep Batch: 577040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury, Dissolved	ND		0.00667	0.00692		mg/L		104	80 - 120		

Lab Sample ID: 480-183292-7 MSD
Matrix: Water
Analysis Batch: 577118

Client Sample ID: MP-281
Prep Type: Dissolved
Prep Batch: 577040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	ND		0.00667	0.00682		mg/L		102	80 - 120	1	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-577026/27
Matrix: Water
Analysis Batch: 577026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/17/21 07:47	1

Lab Sample ID: MB 480-577026/51
Matrix: Water
Analysis Batch: 577026

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/17/21 19:50	1

Lab Sample ID: LCS 480-577026/28
Matrix: Water
Analysis Batch: 577026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	56.19		mg/L		94	90 - 110		

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 480-577026/52 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	55.82		mg/L		93	90 - 110

Lab Sample ID: MB 480-577033/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/16/21 10:10	1

Lab Sample ID: MB 480-577033/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/15/21 22:31	1

Lab Sample ID: MB 480-577033/51 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/16/21 21:45	1

Lab Sample ID: LCS 480-577033/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	58.90		mg/L		98	90 - 110

Lab Sample ID: LCS 480-577033/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	58.94		mg/L		98	90 - 110

Lab Sample ID: LCS 480-577033/52 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.19		mg/L		99	90 - 110

Lab Sample ID: 480-183180-5 MS — **Client Sample ID: MP-234AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.6		23.3	26.88		mg/L		109	54 - 131

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: 480-183180-7 MS — **Client Sample ID: MP-228R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	0.85	J	23.3	25.63		mg/L		107	54 - 131		

Lab Sample ID: 480-183180-12 MS — **Client Sample ID: MP-241R**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	1.0		23.3	25.93		mg/L		107	54 - 131		

Lab Sample ID: 480-183180-18 MS — **Client Sample ID: MP-404A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	0.93	J	23.3	26.70		mg/L		111	54 - 131		

Lab Sample ID: 480-183180-22 MS — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	1.3		23.3	26.37		mg/L		108	54 - 131		

Lab Sample ID: 480-183180-22 MSD — **Client Sample ID: MP-281C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	1.3		23.3	26.98		mg/L		110	54 - 131	2	20

Lab Sample ID: 480-183180-32 MS — **Client Sample ID: MP-274**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.4		23.3	27.93		mg/L		110	54 - 131		

Lab Sample ID: 480-183180-6 DU — **Client Sample ID: DUPLICATE-DMP#2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	1.7			1.52		mg/L				9	20

Lab Sample ID: 480-183180-8 DU — **Client Sample ID: MP-228AR**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	1.5			1.53		mg/L				1	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: 480-183180-13 DU — **Client Sample ID: MP-401B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	1.2			1.14		mg/L				2	20

Lab Sample ID: 480-183180-19 DU — **Client Sample ID: MP-407**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.9			2.89		mg/L				0.3	20

Lab Sample ID: 480-183180-33 DU — **Client Sample ID: MP-286C**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577033

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	1.6			1.44		mg/L				8	20

Lab Sample ID: MB 480-577605/27 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/22/21 05:16	1

Lab Sample ID: MB 480-577605/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/21/21 17:49	1

Lab Sample ID: MB 480-577605/51 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			04/22/21 16:48	1

Lab Sample ID: LCS 480-577605/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	59.26		mg/L		99	90 - 110		

Lab Sample ID: LCS 480-577605/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 577605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	59.18		mg/L		99	90 - 110		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: LCS 480-577605/52
Matrix: Water
Analysis Batch: 577605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	59.32		mg/L		99	90 - 110		

Lab Sample ID: 480-183292-7 MS
Matrix: Water
Analysis Batch: 577605

Client Sample ID: MP-281
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.9		23.3	28.27		mg/L		109	54 - 131		

Lab Sample ID: 480-183292-12 MS
Matrix: Water
Analysis Batch: 577605

Client Sample ID: MP-250A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	0.81	J	23.3	26.34		mg/L		110	54 - 131		

Lab Sample ID: 480-183292-8 DU
Matrix: Water
Analysis Batch: 577605

Client Sample ID: MP-231AR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	1.1			1.06		mg/L				4	20

Lab Sample ID: 480-183292-13 DU
Matrix: Water
Analysis Batch: 577605

Client Sample ID: MP-213A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.3			2.23		mg/L				1	20

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

GC/MS VOA

Analysis Batch: 576214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Total/NA	Water	8260C	
480-183180-22	MP-281C	Total/NA	Water	8260C	
480-183180-29	MP-408	Total/NA	Water	8260C	
480-183180-30	MP-280	Total/NA	Water	8260C	
MB 480-576214/6	Method Blank	Total/NA	Water	8260C	
LCS 480-576214/4	Lab Control Sample	Total/NA	Water	8260C	
480-183180-22 MS	MP-281C	Total/NA	Water	8260C	
480-183180-22 MSD	MP-281C	Total/NA	Water	8260C	

Analysis Batch: 576247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	8260C	
480-183180-2	MP-233AR	Total/NA	Water	8260C	
480-183180-3	MP-403A	Total/NA	Water	8260C	
480-183180-4	MP-234R	Total/NA	Water	8260C	
480-183180-5	MP-234AR	Total/NA	Water	8260C	
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	8260C	
480-183180-7	MP-228R	Total/NA	Water	8260C	
480-183180-8	MP-228AR	Total/NA	Water	8260C	
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	8260C	
480-183180-10	MP-244R	Total/NA	Water	8260C	
480-183180-11	MP-244ARR	Total/NA	Water	8260C	
480-183180-12	MP-241R	Total/NA	Water	8260C	
480-183180-13	MP-401B	Total/NA	Water	8260C	
MB 480-576247/7	Method Blank	Total/NA	Water	8260C	
LCS 480-576247/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 576253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-15	MP-232A	Total/NA	Water	8260C	
480-183180-16	MP-214BR	Total/NA	Water	8260C	
480-183180-17	MP-404	Total/NA	Water	8260C	
480-183180-18	MP-404A	Total/NA	Water	8260C	
480-183180-19	MP-407	Total/NA	Water	8260C	
480-183180-20	MP-230A	Total/NA	Water	8260C	
480-183180-23	MP-211BR	Total/NA	Water	8260C	
480-183180-24	MP-251A	Total/NA	Water	8260C	
480-183180-25	MP-409	Total/NA	Water	8260C	
480-183180-26	MP-210AR	Total/NA	Water	8260C	
480-183180-27	MP-280A	Total/NA	Water	8260C	
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	8260C	
480-183180-31	MP-274A	Total/NA	Water	8260C	
480-183180-32	MP-274	Total/NA	Water	8260C	
480-183180-33	MP-286C	Total/NA	Water	8260C	
MB 480-576253/7	Method Blank	Total/NA	Water	8260C	
LCS 480-576253/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 576402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-14	MP-402A	Total/NA	Water	8260C	
MB 480-576402/7	Method Blank	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 576402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576402/5	Lab Control Sample	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 576493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-13	MP-401B	Total/NA	Water	8011	
480-183180-14	MP-402A	Total/NA	Water	8011	
480-183180-15	MP-232A	Total/NA	Water	8011	
480-183180-19	MP-407	Total/NA	Water	8011	
480-183180-20	MP-230A	Total/NA	Water	8011	
480-183180-21	MP-401A	Total/NA	Water	8011	
480-183180-31	MP-274A	Total/NA	Water	8011	
480-183180-32	MP-274	Total/NA	Water	8011	
480-183180-33	MP-286C	Total/NA	Water	8011	
MB 480-576493/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-576493/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-576493/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Prep Batch: 576519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	8011	
480-183180-2	MP-233AR	Total/NA	Water	8011	
480-183180-3	MP-403A	Total/NA	Water	8011	
480-183180-4	MP-234R	Total/NA	Water	8011	
480-183180-22	MP-281C	Total/NA	Water	8011	
480-183180-23	MP-211BR	Total/NA	Water	8011	
480-183180-24	MP-251A	Total/NA	Water	8011	
480-183180-25	MP-409	Total/NA	Water	8011	
480-183180-26	MP-210AR	Total/NA	Water	8011	
480-183180-27	MP-280A	Total/NA	Water	8011	
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	8011	
480-183292-7	MP-281	Total/NA	Water	8011	
MB 480-576519/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-576519/2-A	Lab Control Sample	Total/NA	Water	8011	
480-183180-22 MS	MP-281C	Total/NA	Water	8011	
480-183180-22 MSD	MP-281C	Total/NA	Water	8011	

Prep Batch: 576534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-5	MP-234AR	Total/NA	Water	8011	
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	8011	
480-183180-7	MP-228R	Total/NA	Water	8011	
480-183180-8	MP-228AR	Total/NA	Water	8011	
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	8011	
480-183180-10	MP-244R	Total/NA	Water	8011	
480-183180-11	MP-244ARR	Total/NA	Water	8011	
480-183180-12	MP-241R	Total/NA	Water	8011	
480-183180-16	MP-214BR	Total/NA	Water	8011	
480-183180-17	MP-404	Total/NA	Water	8011	
480-183180-18	MP-404A	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 576534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-29	MP-408	Total/NA	Water	8011	
480-183180-30	MP-280	Total/NA	Water	8011	
480-183292-13	MP-213A	Total/NA	Water	8011	
480-183292-14	MP-237	Total/NA	Water	8011	
MB 480-576534/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-576534/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-576534/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 576543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	8011	576519
480-183180-2	MP-233AR	Total/NA	Water	8011	576519
480-183180-3	MP-403A	Total/NA	Water	8011	576519
480-183180-4	MP-234R	Total/NA	Water	8011	576519
480-183180-5	MP-234AR	Total/NA	Water	8011	576534
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	8011	576534
480-183180-7	MP-228R	Total/NA	Water	8011	576534
480-183180-8	MP-228AR	Total/NA	Water	8011	576534
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	8011	576534
480-183180-10	MP-244R	Total/NA	Water	8011	576534
480-183180-11	MP-244ARR	Total/NA	Water	8011	576534
480-183180-12	MP-241R	Total/NA	Water	8011	576534
480-183180-13	MP-401B	Total/NA	Water	8011	576493
480-183180-14	MP-402A	Total/NA	Water	8011	576493
480-183180-15	MP-232A	Total/NA	Water	8011	576493
480-183180-16	MP-214BR	Total/NA	Water	8011	576534
480-183180-17	MP-404	Total/NA	Water	8011	576534
480-183180-18	MP-404A	Total/NA	Water	8011	576534
480-183180-19	MP-407	Total/NA	Water	8011	576493
480-183180-20	MP-230A	Total/NA	Water	8011	576493
480-183180-21	MP-401A	Total/NA	Water	8011	576493
480-183180-22	MP-281C	Total/NA	Water	8011	576519
480-183180-23	MP-211BR	Total/NA	Water	8011	576519
480-183180-24	MP-251A	Total/NA	Water	8011	576519
480-183180-25	MP-409	Total/NA	Water	8011	576519
480-183180-26	MP-210AR	Total/NA	Water	8011	576519
480-183180-27	MP-280A	Total/NA	Water	8011	576519
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	8011	576519
480-183180-29	MP-408	Total/NA	Water	8011	576534
480-183180-30	MP-280	Total/NA	Water	8011	576534
480-183180-31	MP-274A	Total/NA	Water	8011	576493
480-183180-32	MP-274	Total/NA	Water	8011	576493
480-183180-33	MP-286C	Total/NA	Water	8011	576493
480-183292-7	MP-281	Total/NA	Water	8011	576519
480-183292-13	MP-213A	Total/NA	Water	8011	576534
480-183292-14	MP-237	Total/NA	Water	8011	576534
MB 480-576493/1-A	Method Blank	Total/NA	Water	8011	576493
MB 480-576519/1-A	Method Blank	Total/NA	Water	8011	576519
MB 480-576534/1-A	Method Blank	Total/NA	Water	8011	576534
LCS 480-576493/2-A	Lab Control Sample	Total/NA	Water	8011	576493
LCS 480-576519/2-A	Lab Control Sample	Total/NA	Water	8011	576519

GC Semi VOA (Continued)

Analysis Batch: 576543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576534/2-A	Lab Control Sample	Total/NA	Water	8011	576534
LCSD 480-576493/3-A	Lab Control Sample Dup	Total/NA	Water	8011	576493
LCSD 480-576534/3-A	Lab Control Sample Dup	Total/NA	Water	8011	576534
480-183180-22 MS	MP-281C	Total/NA	Water	8011	576519
480-183180-22 MSD	MP-281C	Total/NA	Water	8011	576519

Analysis Batch: 576903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	8011	576915
480-183292-2	MP-235BR	Total/NA	Water	8011	576915
480-183292-3	MP-235R	Total/NA	Water	8011	576915
480-183292-4	MP-206AR	Total/NA	Water	8011	576915
480-183292-5	MP-406C	Total/NA	Water	8011	576915
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	8011	576915
480-183292-15	MP-279	Total/NA	Water	8011	576915
480-183292-16	MP-405A	Total/NA	Water	8011	576915
MB 480-576915/1-A	Method Blank	Total/NA	Water	8011	576915
LCS 480-576915/2-A	Lab Control Sample	Total/NA	Water	8011	576915

Prep Batch: 576915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	8011	
480-183292-2	MP-235BR	Total/NA	Water	8011	
480-183292-3	MP-235R	Total/NA	Water	8011	
480-183292-4	MP-206AR	Total/NA	Water	8011	
480-183292-5	MP-406C	Total/NA	Water	8011	
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	8011	
480-183292-15	MP-279	Total/NA	Water	8011	
480-183292-16	MP-405A	Total/NA	Water	8011	
MB 480-576915/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-576915/2-A	Lab Control Sample	Total/NA	Water	8011	

Prep Batch: 577071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-8	MP-231AR	Total/NA	Water	8011	
480-183292-9	MP-277A	Total/NA	Water	8011	
480-183292-10	MP-238R	Total/NA	Water	8011	
480-183292-11	MP-250	Total/NA	Water	8011	
480-183292-12	MP-250A	Total/NA	Water	8011	
MB 480-577071/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-577071/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-577071/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Prep Batch: 577074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	3510C	
480-183180-2	MP-233AR	Total/NA	Water	3510C	
480-183180-3	MP-403A	Total/NA	Water	3510C	
480-183180-4	MP-234R	Total/NA	Water	3510C	
480-183180-5	MP-234AR	Total/NA	Water	3510C	
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 577074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-7	MP-228R	Total/NA	Water	3510C	
480-183180-8	MP-228AR	Total/NA	Water	3510C	
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	3510C	
480-183180-10	MP-244R	Total/NA	Water	3510C	
480-183180-11	MP-244ARR	Total/NA	Water	3510C	
480-183180-12	MP-241R	Total/NA	Water	3510C	
480-183180-13	MP-401B	Total/NA	Water	3510C	
480-183180-14	MP-402A	Total/NA	Water	3510C	
MB 480-577074/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-577074/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-577074/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 577095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-8	MP-231AR	Total/NA	Water	8011	577071
480-183292-9	MP-277A	Total/NA	Water	8011	577071
480-183292-10	MP-238R	Total/NA	Water	8011	577071
480-183292-11	MP-250	Total/NA	Water	8011	577071
480-183292-12	MP-250A	Total/NA	Water	8011	577071
MB 480-577071/1-A	Method Blank	Total/NA	Water	8011	577071
LCS 480-577071/2-A	Lab Control Sample	Total/NA	Water	8011	577071
LCSD 480-577071/3-A	Lab Control Sample Dup	Total/NA	Water	8011	577071

Prep Batch: 577165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-15	MP-232A	Total/NA	Water	3510C	
480-183180-16	MP-214BR	Total/NA	Water	3510C	
480-183180-17	MP-404	Total/NA	Water	3510C	
480-183180-18	MP-404A	Total/NA	Water	3510C	
480-183180-20	MP-230A	Total/NA	Water	3510C	
480-183180-22	MP-281C	Total/NA	Water	3510C	
480-183180-24	MP-251A	Total/NA	Water	3510C	
480-183180-25	MP-409	Total/NA	Water	3510C	
480-183180-26	MP-210AR	Total/NA	Water	3510C	
480-183180-27	MP-280A	Total/NA	Water	3510C	
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	3510C	
480-183180-29	MP-408	Total/NA	Water	3510C	
480-183180-30	MP-280	Total/NA	Water	3510C	
480-183180-31	MP-274A	Total/NA	Water	3510C	
480-183180-32	MP-274	Total/NA	Water	3510C	
480-183180-33	MP-286C	Total/NA	Water	3510C	
MB 480-577165/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-577165/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-183180-22 MS	MP-281C	Total/NA	Water	3510C	
480-183180-22 MSD	MP-281C	Total/NA	Water	3510C	

Analysis Batch: 577242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-19	MP-407	Total/NA	Water	8082A	577251
480-183180-21	MP-401A	Total/NA	Water	8082A	577251
480-183180-23	MP-211BR	Total/NA	Water	8082A	577251

GC Semi VOA (Continued)

Analysis Batch: 577242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-577251/1-A	Method Blank	Total/NA	Water	8082A	577251
LCS 480-577251/2-A	Lab Control Sample	Total/NA	Water	8082A	577251
LCSD 480-577251/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	577251

Prep Batch: 577251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-19	MP-407	Total/NA	Water	3510C	
480-183180-21	MP-401A	Total/NA	Water	3510C	
480-183180-23	MP-211BR	Total/NA	Water	3510C	
MB 480-577251/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-577251/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-577251/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 577479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-15	MP-232A	Total/NA	Water	8082A	577165
480-183180-16	MP-214BR	Total/NA	Water	8082A	577165
480-183180-17	MP-404	Total/NA	Water	8082A	577165
480-183180-18	MP-404A	Total/NA	Water	8082A	577165
480-183180-20	MP-230A	Total/NA	Water	8082A	577165
480-183180-22	MP-281C	Total/NA	Water	8082A	577165
480-183180-24	MP-251A	Total/NA	Water	8082A	577165
MB 480-577165/1-A	Method Blank	Total/NA	Water	8082A	577165
LCS 480-577165/2-A	Lab Control Sample	Total/NA	Water	8082A	577165
480-183180-22 MS	MP-281C	Total/NA	Water	8082A	577165
480-183180-22 MSD	MP-281C	Total/NA	Water	8082A	577165

Analysis Batch: 577645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	8082A	577074
480-183180-2	MP-233AR	Total/NA	Water	8082A	577074
480-183180-3	MP-403A	Total/NA	Water	8082A	577074
480-183180-4	MP-234R	Total/NA	Water	8082A	577074
480-183180-5	MP-234AR	Total/NA	Water	8082A	577074
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	8082A	577074
480-183180-7	MP-228R	Total/NA	Water	8082A	577074
480-183180-8	MP-228AR	Total/NA	Water	8082A	577074
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	8082A	577074
480-183180-10	MP-244R	Total/NA	Water	8082A	577074
480-183180-11	MP-244ARR	Total/NA	Water	8082A	577074
480-183180-12	MP-241R	Total/NA	Water	8082A	577074
480-183180-13	MP-401B	Total/NA	Water	8082A	577074
480-183180-14	MP-402A	Total/NA	Water	8082A	577074
480-183180-25	MP-409	Total/NA	Water	8082A	577165
480-183180-26	MP-210AR	Total/NA	Water	8082A	577165
480-183180-27	MP-280A	Total/NA	Water	8082A	577165
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	8082A	577165
480-183180-29	MP-408	Total/NA	Water	8082A	577165
480-183180-30	MP-280	Total/NA	Water	8082A	577165
480-183180-31	MP-274A	Total/NA	Water	8082A	577165
480-183180-32	MP-274	Total/NA	Water	8082A	577165

GC Semi VOA (Continued)

Analysis Batch: 577645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-33	MP-286C	Total/NA	Water	8082A	577165
MB 480-577074/1-A	Method Blank	Total/NA	Water	8082A	577074
LCS 480-577074/2-A	Lab Control Sample	Total/NA	Water	8082A	577074
LCSD 480-577074/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	577074

Prep Batch: 577675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	3510C	
480-183292-2	MP-235BR	Total/NA	Water	3510C	
480-183292-3	MP-235R	Total/NA	Water	3510C	
480-183292-4	MP-206AR	Total/NA	Water	3510C	
480-183292-5	MP-406C	Total/NA	Water	3510C	
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	3510C	
480-183292-7	MP-281	Total/NA	Water	3510C	
480-183292-8	MP-231AR	Total/NA	Water	3510C	
480-183292-9	MP-277A	Total/NA	Water	3510C	
480-183292-10	MP-238R	Total/NA	Water	3510C	
480-183292-11	MP-250	Total/NA	Water	3510C	
480-183292-12	MP-250A	Total/NA	Water	3510C	
480-183292-13	MP-213A	Total/NA	Water	3510C	
480-183292-14	MP-237	Total/NA	Water	3510C	
480-183292-15	MP-279	Total/NA	Water	3510C	
480-183292-16	MP-405A	Total/NA	Water	3510C	
MB 480-577675/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-577675/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-577675/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 577991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	8082A	577675
480-183292-2	MP-235BR	Total/NA	Water	8082A	577675
480-183292-3	MP-235R	Total/NA	Water	8082A	577675
480-183292-4	MP-206AR	Total/NA	Water	8082A	577675
480-183292-5	MP-406C	Total/NA	Water	8082A	577675
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	8082A	577675
480-183292-7	MP-281	Total/NA	Water	8082A	577675
480-183292-8	MP-231AR	Total/NA	Water	8082A	577675
480-183292-9	MP-277A	Total/NA	Water	8082A	577675
480-183292-10	MP-238R	Total/NA	Water	8082A	577675
480-183292-11	MP-250	Total/NA	Water	8082A	577675
480-183292-12	MP-250A	Total/NA	Water	8082A	577675
480-183292-13	MP-213A	Total/NA	Water	8082A	577675
480-183292-14	MP-237	Total/NA	Water	8082A	577675
480-183292-15	MP-279	Total/NA	Water	8082A	577675
480-183292-16	MP-405A	Total/NA	Water	8082A	577675
MB 480-577675/1-A	Method Blank	Total/NA	Water	8082A	577675
LCS 480-577675/2-A	Lab Control Sample	Total/NA	Water	8082A	577675
LCSD 480-577675/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	577675

QC Association Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Metals

Prep Batch: 576303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	3005A	
480-183180-2	MP-233AR	Dissolved	Water	3005A	
480-183180-3	MP-403A	Dissolved	Water	3005A	
480-183180-4	MP-234R	Dissolved	Water	3005A	
480-183180-5	MP-234AR	Dissolved	Water	3005A	
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	3005A	
480-183180-7	MP-228R	Dissolved	Water	3005A	
480-183180-8	MP-228AR	Dissolved	Water	3005A	
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	3005A	
480-183180-10	MP-244R	Dissolved	Water	3005A	
480-183180-11	MP-244ARR	Dissolved	Water	3005A	
480-183180-12	MP-241R	Dissolved	Water	3005A	
480-183180-13	MP-401B	Dissolved	Water	3005A	
480-183180-14	MP-402A	Dissolved	Water	3005A	
480-183180-15	MP-232A	Dissolved	Water	3005A	
480-183180-16	MP-214BR	Dissolved	Water	3005A	
480-183180-17	MP-404	Dissolved	Water	3005A	
480-183180-18	MP-404A	Dissolved	Water	3005A	
480-183180-19	MP-407	Dissolved	Water	3005A	
480-183180-20	MP-230A	Dissolved	Water	3005A	
MB 480-576303/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-576303/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-183180-1 MS	MP-233R	Dissolved	Water	3005A	
480-183180-1 MSD	MP-233R	Dissolved	Water	3005A	

Prep Batch: 576305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Dissolved	Water	3005A	
480-183180-22	MP-281C	Dissolved	Water	3005A	
480-183180-23	MP-211BR	Dissolved	Water	3005A	
480-183180-24	MP-251A	Dissolved	Water	3005A	
480-183180-25	MP-409	Dissolved	Water	3005A	
480-183180-26	MP-210AR	Dissolved	Water	3005A	
480-183180-27	MP-280A	Dissolved	Water	3005A	
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	3005A	
480-183180-29	MP-408	Dissolved	Water	3005A	
480-183180-30	MP-280	Dissolved	Water	3005A	
480-183180-31	MP-274A	Dissolved	Water	3005A	
480-183180-32	MP-274	Dissolved	Water	3005A	
480-183180-33	MP-286C	Dissolved	Water	3005A	
MB 480-576305/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-576305/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
480-183180-22 MS	MP-281C	Dissolved	Water	3005A	
480-183180-22 MSD	MP-281C	Dissolved	Water	3005A	

Prep Batch: 576306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	3020A	
480-183180-2	MP-233AR	Dissolved	Water	3020A	
480-183180-3	MP-403A	Dissolved	Water	3020A	
480-183180-4	MP-234R	Dissolved	Water	3020A	

Metals (Continued)

Prep Batch: 576306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-5	MP-234AR	Dissolved	Water	3020A	
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	3020A	
480-183180-7	MP-228R	Dissolved	Water	3020A	
480-183180-8	MP-228AR	Dissolved	Water	3020A	
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	3020A	
480-183180-10	MP-244R	Dissolved	Water	3020A	
480-183180-11	MP-244ARR	Dissolved	Water	3020A	
480-183180-12	MP-241R	Dissolved	Water	3020A	
480-183180-13	MP-401B	Dissolved	Water	3020A	
480-183180-14	MP-402A	Dissolved	Water	3020A	
480-183180-15	MP-232A	Dissolved	Water	3020A	
480-183180-16	MP-214BR	Dissolved	Water	3020A	
480-183180-17	MP-404	Dissolved	Water	3020A	
480-183180-18	MP-404A	Dissolved	Water	3020A	
480-183180-19	MP-407	Dissolved	Water	3020A	
480-183180-20	MP-230A	Dissolved	Water	3020A	
MB 480-576306/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-576306/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-183180-2 MS	MP-233AR	Dissolved	Water	3020A	
480-183180-2 MSD	MP-233AR	Dissolved	Water	3020A	

Prep Batch: 576307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Dissolved	Water	3020A	
480-183180-22	MP-281C	Dissolved	Water	3020A	
480-183180-23	MP-211BR	Dissolved	Water	3020A	
480-183180-24	MP-251A	Dissolved	Water	3020A	
480-183180-25	MP-409	Dissolved	Water	3020A	
480-183180-26	MP-210AR	Dissolved	Water	3020A	
480-183180-27	MP-280A	Dissolved	Water	3020A	
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	3020A	
480-183180-29	MP-408	Dissolved	Water	3020A	
480-183180-30	MP-280	Dissolved	Water	3020A	
480-183180-31	MP-274A	Dissolved	Water	3020A	
480-183180-32	MP-274	Dissolved	Water	3020A	
480-183180-33	MP-286C	Dissolved	Water	3020A	
MB 480-576307/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-576307/2-A	Lab Control Sample	Total/NA	Water	3020A	
480-183180-22 MS	MP-281C	Dissolved	Water	3020A	
480-183180-22 MSD	MP-281C	Dissolved	Water	3020A	

Prep Batch: 576316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	7470A	
480-183180-2	MP-233AR	Dissolved	Water	7470A	
480-183180-3	MP-403A	Dissolved	Water	7470A	
480-183180-4	MP-234R	Dissolved	Water	7470A	
480-183180-5	MP-234AR	Dissolved	Water	7470A	
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	7470A	
480-183180-7	MP-228R	Dissolved	Water	7470A	
480-183180-8	MP-228AR	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 576316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-576316/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-576316/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 576318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	7470A	
480-183180-10	MP-244R	Dissolved	Water	7470A	
480-183180-11	MP-244ARR	Dissolved	Water	7470A	
480-183180-12	MP-241R	Dissolved	Water	7470A	
480-183180-13	MP-401B	Dissolved	Water	7470A	
480-183180-14	MP-402A	Dissolved	Water	7470A	
480-183180-15	MP-232A	Dissolved	Water	7470A	
480-183180-16	MP-214BR	Dissolved	Water	7470A	
480-183180-17	MP-404	Dissolved	Water	7470A	
480-183180-18	MP-404A	Dissolved	Water	7470A	
480-183180-19	MP-407	Dissolved	Water	7470A	
480-183180-20	MP-230A	Dissolved	Water	7470A	
480-183180-21	MP-401A	Dissolved	Water	7470A	
480-183180-22	MP-281C	Dissolved	Water	7470A	
MB 480-576318/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-576318/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-183180-22 MS	MP-281C	Dissolved	Water	7470A	
480-183180-22 MSD	MP-281C	Dissolved	Water	7470A	

Analysis Batch: 576365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	7470A	576316
480-183180-2	MP-233AR	Dissolved	Water	7470A	576316
480-183180-3	MP-403A	Dissolved	Water	7470A	576316
480-183180-4	MP-234R	Dissolved	Water	7470A	576316
480-183180-5	MP-234AR	Dissolved	Water	7470A	576316
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	7470A	576316
480-183180-7	MP-228R	Dissolved	Water	7470A	576316
480-183180-8	MP-228AR	Dissolved	Water	7470A	576316
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	7470A	576318
480-183180-10	MP-244R	Dissolved	Water	7470A	576318
480-183180-11	MP-244ARR	Dissolved	Water	7470A	576318
480-183180-12	MP-241R	Dissolved	Water	7470A	576318
480-183180-13	MP-401B	Dissolved	Water	7470A	576318
480-183180-14	MP-402A	Dissolved	Water	7470A	576318
480-183180-15	MP-232A	Dissolved	Water	7470A	576318
480-183180-16	MP-214BR	Dissolved	Water	7470A	576318
480-183180-17	MP-404	Dissolved	Water	7470A	576318
480-183180-18	MP-404A	Dissolved	Water	7470A	576318
480-183180-19	MP-407	Dissolved	Water	7470A	576318
480-183180-20	MP-230A	Dissolved	Water	7470A	576318
480-183180-21	MP-401A	Dissolved	Water	7470A	576318
480-183180-22	MP-281C	Dissolved	Water	7470A	576318
MB 480-576316/1-A	Method Blank	Total/NA	Water	7470A	576316
MB 480-576318/1-A	Method Blank	Total/NA	Water	7470A	576318
LCS 480-576316/2-A	Lab Control Sample	Total/NA	Water	7470A	576316

Metals (Continued)

Analysis Batch: 576365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576318/2-A	Lab Control Sample	Total/NA	Water	7470A	576318
480-183180-22 MS	MP-281C	Dissolved	Water	7470A	576318
480-183180-22 MSD	MP-281C	Dissolved	Water	7470A	576318

Prep Batch: 576475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-23	MP-211BR	Dissolved	Water	7470A	
480-183180-24	MP-251A	Dissolved	Water	7470A	
480-183180-25	MP-409	Dissolved	Water	7470A	
480-183180-26	MP-210AR	Dissolved	Water	7470A	
480-183180-27	MP-280A	Dissolved	Water	7470A	
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	7470A	
480-183180-29	MP-408	Dissolved	Water	7470A	
480-183180-30	MP-280	Dissolved	Water	7470A	
480-183180-31	MP-274A	Dissolved	Water	7470A	
480-183180-32	MP-274	Dissolved	Water	7470A	
480-183180-33	MP-286C	Dissolved	Water	7470A	
MB 480-576475/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-576475/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-183180-24 MS	MP-251A	Dissolved	Water	7470A	
480-183180-24 MSD	MP-251A	Dissolved	Water	7470A	

Prep Batch: 576476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	7470A	
480-183292-2	MP-235BR	Dissolved	Water	7470A	
480-183292-3	MP-235R	Dissolved	Water	7470A	
480-183292-4	MP-206AR	Dissolved	Water	7470A	
480-183292-5	MP-406C	Dissolved	Water	7470A	
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	7470A	
MB 480-576476/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-576476/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 576539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-23	MP-211BR	Dissolved	Water	7470A	576475
480-183180-24	MP-251A	Dissolved	Water	7470A	576475
480-183180-25	MP-409	Dissolved	Water	7470A	576475
480-183180-26	MP-210AR	Dissolved	Water	7470A	576475
480-183180-27	MP-280A	Dissolved	Water	7470A	576475
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	7470A	576475
480-183180-29	MP-408	Dissolved	Water	7470A	576475
480-183180-30	MP-280	Dissolved	Water	7470A	576475
480-183180-31	MP-274A	Dissolved	Water	7470A	576475
480-183180-32	MP-274	Dissolved	Water	7470A	576475
480-183180-33	MP-286C	Dissolved	Water	7470A	576475
480-183292-1	MP-235CR	Dissolved	Water	7470A	576476
480-183292-2	MP-235BR	Dissolved	Water	7470A	576476
480-183292-3	MP-235R	Dissolved	Water	7470A	576476
480-183292-4	MP-206AR	Dissolved	Water	7470A	576476
480-183292-5	MP-406C	Dissolved	Water	7470A	576476

Metals (Continued)

Analysis Batch: 576539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	7470A	576476
MB 480-576475/1-A	Method Blank	Total/NA	Water	7470A	576475
MB 480-576476/1-A	Method Blank	Total/NA	Water	7470A	576476
LCS 480-576475/2-A	Lab Control Sample	Total/NA	Water	7470A	576475
LCS 480-576476/2-A	Lab Control Sample	Total/NA	Water	7470A	576476
480-183180-24 MS	MP-251A	Dissolved	Water	7470A	576475
480-183180-24 MSD	MP-251A	Dissolved	Water	7470A	576475

Analysis Batch: 576613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Dissolved	Water	6020A	576307
480-183180-22	MP-281C	Dissolved	Water	6020A	576307
480-183180-23	MP-211BR	Dissolved	Water	6020A	576307
480-183180-24	MP-251A	Dissolved	Water	6020A	576307
480-183180-25	MP-409	Dissolved	Water	6020A	576307
480-183180-26	MP-210AR	Dissolved	Water	6020A	576307
480-183180-27	MP-280A	Dissolved	Water	6020A	576307
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	6020A	576307
480-183180-29	MP-408	Dissolved	Water	6020A	576307
480-183180-30	MP-280	Dissolved	Water	6020A	576307
480-183180-31	MP-274A	Dissolved	Water	6020A	576307
480-183180-32	MP-274	Dissolved	Water	6020A	576307
480-183180-33	MP-286C	Dissolved	Water	6020A	576307
MB 480-576307/1-A	Method Blank	Total/NA	Water	6020A	576307
LCS 480-576307/2-A	Lab Control Sample	Total/NA	Water	6020A	576307
480-183180-22 MS	MP-281C	Dissolved	Water	6020A	576307
480-183180-22 MSD	MP-281C	Dissolved	Water	6020A	576307

Analysis Batch: 576614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	6020A	576306
480-183180-2	MP-233AR	Dissolved	Water	6020A	576306
480-183180-3	MP-403A	Dissolved	Water	6020A	576306
480-183180-4	MP-234R	Dissolved	Water	6020A	576306
480-183180-5	MP-234AR	Dissolved	Water	6020A	576306
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	6020A	576306
480-183180-7	MP-228R	Dissolved	Water	6020A	576306
480-183180-8	MP-228AR	Dissolved	Water	6020A	576306
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	6020A	576306
480-183180-10	MP-244R	Dissolved	Water	6020A	576306
480-183180-11	MP-244ARR	Dissolved	Water	6020A	576306
480-183180-12	MP-241R	Dissolved	Water	6020A	576306
480-183180-13	MP-401B	Dissolved	Water	6020A	576306
480-183180-14	MP-402A	Dissolved	Water	6020A	576306
480-183180-15	MP-232A	Dissolved	Water	6020A	576306
480-183180-16	MP-214BR	Dissolved	Water	6020A	576306
480-183180-17	MP-404	Dissolved	Water	6020A	576306
480-183180-18	MP-404A	Dissolved	Water	6020A	576306
480-183180-19	MP-407	Dissolved	Water	6020A	576306
480-183180-20	MP-230A	Dissolved	Water	6020A	576306
MB 480-576306/1-A	Method Blank	Total/NA	Water	6020A	576306

Metals (Continued)

Analysis Batch: 576614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-576306/2-A	Lab Control Sample	Total/NA	Water	6020A	576306
480-183180-2 MS	MP-233AR	Dissolved	Water	6020A	576306
480-183180-2 MSD	MP-233AR	Dissolved	Water	6020A	576306

Prep Batch: 576740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	3020A	
480-183292-2	MP-235BR	Dissolved	Water	3020A	
480-183292-3	MP-235R	Dissolved	Water	3020A	
480-183292-4	MP-206AR	Dissolved	Water	3020A	
480-183292-5	MP-406C	Dissolved	Water	3020A	
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	3020A	
480-183292-7	MP-281	Dissolved	Water	3020A	
480-183292-8	MP-231AR	Dissolved	Water	3020A	
480-183292-9	MP-277A	Dissolved	Water	3020A	
480-183292-10	MP-238R	Dissolved	Water	3020A	
480-183292-11	MP-250	Dissolved	Water	3020A	
480-183292-12	MP-250A	Dissolved	Water	3020A	
480-183292-13	MP-213A	Dissolved	Water	3020A	
480-183292-14	MP-237	Dissolved	Water	3020A	
480-183292-15	MP-279	Dissolved	Water	3020A	
480-183292-16	MP-405A	Dissolved	Water	3020A	
MB 480-576740/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-576740/2-A	Lab Control Sample	Total/NA	Water	3020A	

Prep Batch: 576741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	3005A	
480-183292-2	MP-235BR	Dissolved	Water	3005A	
480-183292-3	MP-235R	Dissolved	Water	3005A	
480-183292-4	MP-206AR	Dissolved	Water	3005A	
480-183292-5	MP-406C	Dissolved	Water	3005A	
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	3005A	
480-183292-7	MP-281	Dissolved	Water	3005A	
480-183292-8	MP-231AR	Dissolved	Water	3005A	
480-183292-9	MP-277A	Dissolved	Water	3005A	
480-183292-10	MP-238R	Dissolved	Water	3005A	
480-183292-11	MP-250	Dissolved	Water	3005A	
480-183292-12	MP-250A	Dissolved	Water	3005A	
480-183292-13	MP-213A	Dissolved	Water	3005A	
480-183292-14	MP-237	Dissolved	Water	3005A	
480-183292-15	MP-279	Dissolved	Water	3005A	
480-183292-16	MP-405A	Dissolved	Water	3005A	
MB 480-576741/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-576741/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 576860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Dissolved	Water	6010C	576303
480-183180-2	MP-233AR	Dissolved	Water	6010C	576303
480-183180-3	MP-403A	Dissolved	Water	6010C	576303

Metals (Continued)

Analysis Batch: 576860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-4	MP-234R	Dissolved	Water	6010C	576303
480-183180-5	MP-234AR	Dissolved	Water	6010C	576303
480-183180-6	DUPLICATE-DMP#2	Dissolved	Water	6010C	576303
480-183180-7	MP-228R	Dissolved	Water	6010C	576303
480-183180-8	MP-228AR	Dissolved	Water	6010C	576303
480-183180-9	DUPLICATE-DMP#1	Dissolved	Water	6010C	576303
480-183180-10	MP-244R	Dissolved	Water	6010C	576303
480-183180-11	MP-244ARR	Dissolved	Water	6010C	576303
480-183180-12	MP-241R	Dissolved	Water	6010C	576303
480-183180-13	MP-401B	Dissolved	Water	6010C	576303
480-183180-14	MP-402A	Dissolved	Water	6010C	576303
480-183180-15	MP-232A	Dissolved	Water	6010C	576303
480-183180-16	MP-214BR	Dissolved	Water	6010C	576303
480-183180-17	MP-404	Dissolved	Water	6010C	576303
480-183180-18	MP-404A	Dissolved	Water	6010C	576303
480-183180-19	MP-407	Dissolved	Water	6010C	576303
480-183180-20	MP-230A	Dissolved	Water	6010C	576303
MB 480-576303/1-A	Method Blank	Total Recoverable	Water	6010C	576303
LCS 480-576303/2-A	Lab Control Sample	Total Recoverable	Water	6010C	576303
480-183180-1 MS	MP-233R	Dissolved	Water	6010C	576303
480-183180-1 MSD	MP-233R	Dissolved	Water	6010C	576303

Analysis Batch: 576867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Dissolved	Water	6010C	576305
480-183180-22	MP-281C	Dissolved	Water	6010C	576305
480-183180-23	MP-211BR	Dissolved	Water	6010C	576305
480-183180-24	MP-251A	Dissolved	Water	6010C	576305
480-183180-25	MP-409	Dissolved	Water	6010C	576305
480-183180-26	MP-210AR	Dissolved	Water	6010C	576305
480-183180-27	MP-280A	Dissolved	Water	6010C	576305
480-183180-28	DUPLICATE-DMP#3	Dissolved	Water	6010C	576305
480-183180-29	MP-408	Dissolved	Water	6010C	576305
480-183180-30	MP-280	Dissolved	Water	6010C	576305
480-183180-31	MP-274A	Dissolved	Water	6010C	576305
480-183180-32	MP-274	Dissolved	Water	6010C	576305
480-183180-33	MP-286C	Dissolved	Water	6010C	576305
MB 480-576305/1-A	Method Blank	Total Recoverable	Water	6010C	576305
LCS 480-576305/2-A	Lab Control Sample	Total Recoverable	Water	6010C	576305
480-183180-22 MS	MP-281C	Dissolved	Water	6010C	576305
480-183180-22 MSD	MP-281C	Dissolved	Water	6010C	576305

Prep Batch: 577040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-7	MP-281	Dissolved	Water	7470A	
480-183292-8	MP-231AR	Dissolved	Water	7470A	
480-183292-9	MP-277A	Dissolved	Water	7470A	
480-183292-10	MP-238R	Dissolved	Water	7470A	
480-183292-11	MP-250	Dissolved	Water	7470A	
480-183292-12	MP-250A	Dissolved	Water	7470A	
480-183292-13	MP-213A	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 577040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-14	MP-237	Dissolved	Water	7470A	
480-183292-15	MP-279	Dissolved	Water	7470A	
480-183292-16	MP-405A	Dissolved	Water	7470A	
MB 480-577040/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-577040/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-183292-7 MS	MP-281	Dissolved	Water	7470A	
480-183292-7 MSD	MP-281	Dissolved	Water	7470A	

Analysis Batch: 577118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-7	MP-281	Dissolved	Water	7470A	577040
480-183292-8	MP-231AR	Dissolved	Water	7470A	577040
480-183292-9	MP-277A	Dissolved	Water	7470A	577040
480-183292-10	MP-238R	Dissolved	Water	7470A	577040
480-183292-11	MP-250	Dissolved	Water	7470A	577040
480-183292-12	MP-250A	Dissolved	Water	7470A	577040
480-183292-13	MP-213A	Dissolved	Water	7470A	577040
480-183292-14	MP-237	Dissolved	Water	7470A	577040
480-183292-15	MP-279	Dissolved	Water	7470A	577040
480-183292-16	MP-405A	Dissolved	Water	7470A	577040
MB 480-577040/1-A	Method Blank	Total/NA	Water	7470A	577040
LCS 480-577040/2-A	Lab Control Sample	Total/NA	Water	7470A	577040
480-183292-7 MS	MP-281	Dissolved	Water	7470A	577040
480-183292-7 MSD	MP-281	Dissolved	Water	7470A	577040

Analysis Batch: 577172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	6020A	576740
480-183292-2	MP-235BR	Dissolved	Water	6020A	576740
480-183292-3	MP-235R	Dissolved	Water	6020A	576740
480-183292-4	MP-206AR	Dissolved	Water	6020A	576740
480-183292-5	MP-406C	Dissolved	Water	6020A	576740
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	6020A	576740
480-183292-7	MP-281	Dissolved	Water	6020A	576740
480-183292-8	MP-231AR	Dissolved	Water	6020A	576740
480-183292-9	MP-277A	Dissolved	Water	6020A	576740
480-183292-10	MP-238R	Dissolved	Water	6020A	576740
480-183292-11	MP-250	Dissolved	Water	6020A	576740
480-183292-12	MP-250A	Dissolved	Water	6020A	576740
480-183292-13	MP-213A	Dissolved	Water	6020A	576740
480-183292-14	MP-237	Dissolved	Water	6020A	576740
480-183292-15	MP-279	Dissolved	Water	6020A	576740
480-183292-16	MP-405A	Dissolved	Water	6020A	576740
MB 480-576740/1-A	Method Blank	Total/NA	Water	6020A	576740
LCS 480-576740/2-A	Lab Control Sample	Total/NA	Water	6020A	576740

Analysis Batch: 578561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	6010C	576741
480-183292-2	MP-235BR	Dissolved	Water	6010C	576741
480-183292-3	MP-235R	Dissolved	Water	6010C	576741

Metals (Continued)

Analysis Batch: 578561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-4	MP-206AR	Dissolved	Water	6010C	576741
480-183292-5	MP-406C	Dissolved	Water	6010C	576741
480-183292-6	FIELD BLANK DMP #1	Dissolved	Water	6010C	576741
480-183292-7	MP-281	Dissolved	Water	6010C	576741
480-183292-8	MP-231AR	Dissolved	Water	6010C	576741
480-183292-9	MP-277A	Dissolved	Water	6010C	576741
480-183292-10	MP-238R	Dissolved	Water	6010C	576741
480-183292-11	MP-250	Dissolved	Water	6010C	576741
480-183292-12	MP-250A	Dissolved	Water	6010C	576741
480-183292-13	MP-213A	Dissolved	Water	6010C	576741
480-183292-14	MP-237	Dissolved	Water	6010C	576741
480-183292-15	MP-279	Dissolved	Water	6010C	576741
480-183292-16	MP-405A	Dissolved	Water	6010C	576741
MB 480-576741/1-A	Method Blank	Total Recoverable	Water	6010C	576741
LCS 480-576741/2-A	Lab Control Sample	Total Recoverable	Water	6010C	576741

Analysis Batch: 578755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Dissolved	Water	6010C	576741

General Chemistry

Analysis Batch: 577026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	9060A	
480-183180-2	MP-233AR	Total/NA	Water	9060A	
480-183180-3	MP-403A	Total/NA	Water	9060A	
480-183180-10	MP-244R	Total/NA	Water	9060A	
480-183180-11	MP-244ARR	Total/NA	Water	9060A	
MB 480-577026/27	Method Blank	Total/NA	Water	9060A	
MB 480-577026/51	Method Blank	Total/NA	Water	9060A	
LCS 480-577026/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577026/52	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 577033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-4	MP-234R	Total/NA	Water	9060A	
480-183180-5	MP-234AR	Total/NA	Water	9060A	
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	9060A	
480-183180-7	MP-228R	Total/NA	Water	9060A	
480-183180-8	MP-228AR	Total/NA	Water	9060A	
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	9060A	
480-183180-12	MP-241R	Total/NA	Water	9060A	
480-183180-13	MP-401B	Total/NA	Water	9060A	
480-183180-14	MP-402A	Total/NA	Water	9060A	
480-183180-15	MP-232A	Total/NA	Water	9060A	
480-183180-16	MP-214BR	Total/NA	Water	9060A	
480-183180-17	MP-404	Total/NA	Water	9060A	
480-183180-18	MP-404A	Total/NA	Water	9060A	
480-183180-19	MP-407	Total/NA	Water	9060A	
480-183180-20	MP-230A	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 577033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-21	MP-401A	Total/NA	Water	9060A	
480-183180-22	MP-281C	Total/NA	Water	9060A	
480-183180-23	MP-211BR	Total/NA	Water	9060A	
480-183180-24	MP-251A	Total/NA	Water	9060A	
480-183180-25	MP-409	Total/NA	Water	9060A	
480-183180-26	MP-210AR	Total/NA	Water	9060A	
480-183180-27	MP-280A	Total/NA	Water	9060A	
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	9060A	
480-183180-29	MP-408	Total/NA	Water	9060A	
480-183180-30	MP-280	Total/NA	Water	9060A	
480-183180-31	MP-274A	Total/NA	Water	9060A	
480-183180-32	MP-274	Total/NA	Water	9060A	
480-183180-33	MP-286C	Total/NA	Water	9060A	
MB 480-577033/27	Method Blank	Total/NA	Water	9060A	
MB 480-577033/4	Method Blank	Total/NA	Water	9060A	
MB 480-577033/51	Method Blank	Total/NA	Water	9060A	
LCS 480-577033/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577033/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577033/52	Lab Control Sample	Total/NA	Water	9060A	
480-183180-5 MS	MP-234AR	Total/NA	Water	9060A	
480-183180-7 MS	MP-228R	Total/NA	Water	9060A	
480-183180-12 MS	MP-241R	Total/NA	Water	9060A	
480-183180-18 MS	MP-404A	Total/NA	Water	9060A	
480-183180-22 MS	MP-281C	Total/NA	Water	9060A	
480-183180-22 MSD	MP-281C	Total/NA	Water	9060A	
480-183180-32 MS	MP-274	Total/NA	Water	9060A	
480-183180-6 DU	DUPLICATE-DMP#2	Total/NA	Water	9060A	
480-183180-8 DU	MP-228AR	Total/NA	Water	9060A	
480-183180-13 DU	MP-401B	Total/NA	Water	9060A	
480-183180-19 DU	MP-407	Total/NA	Water	9060A	
480-183180-33 DU	MP-286C	Total/NA	Water	9060A	

Analysis Batch: 577605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	9060A	
480-183292-2	MP-235BR	Total/NA	Water	9060A	
480-183292-3	MP-235R	Total/NA	Water	9060A	
480-183292-4	MP-206AR	Total/NA	Water	9060A	
480-183292-5	MP-406C	Total/NA	Water	9060A	
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	9060A	
480-183292-7	MP-281	Total/NA	Water	9060A	
480-183292-8	MP-231AR	Total/NA	Water	9060A	
480-183292-9	MP-277A	Total/NA	Water	9060A	
480-183292-10	MP-238R	Total/NA	Water	9060A	
480-183292-11	MP-250	Total/NA	Water	9060A	
480-183292-12	MP-250A	Total/NA	Water	9060A	
480-183292-13	MP-213A	Total/NA	Water	9060A	
480-183292-14	MP-237	Total/NA	Water	9060A	
480-183292-15	MP-279	Total/NA	Water	9060A	
480-183292-16	MP-405A	Total/NA	Water	9060A	
MB 480-577605/27	Method Blank	Total/NA	Water	9060A	

General Chemistry (Continued)

Analysis Batch: 577605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-577605/4	Method Blank	Total/NA	Water	9060A	
MB 480-577605/51	Method Blank	Total/NA	Water	9060A	
LCS 480-577605/28	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577605/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-577605/52	Lab Control Sample	Total/NA	Water	9060A	
480-183292-7 MS	MP-281	Total/NA	Water	9060A	
480-183292-12 MS	MP-250A	Total/NA	Water	9060A	
480-183292-8 DU	MP-231AR	Total/NA	Water	9060A	
480-183292-13 DU	MP-213A	Total/NA	Water	9060A	

Field Service / Mobile Lab

Analysis Batch: 577377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183292-1	MP-235CR	Total/NA	Water	Field Sampling	
480-183292-2	MP-235BR	Total/NA	Water	Field Sampling	
480-183292-3	MP-235R	Total/NA	Water	Field Sampling	
480-183292-4	MP-206AR	Total/NA	Water	Field Sampling	
480-183292-5	MP-406C	Total/NA	Water	Field Sampling	
480-183292-6	FIELD BLANK DMP #1	Total/NA	Water	Field Sampling	
480-183292-7	MP-281	Total/NA	Water	Field Sampling	
480-183292-8	MP-231AR	Total/NA	Water	Field Sampling	
480-183292-9	MP-277A	Total/NA	Water	Field Sampling	
480-183292-10	MP-238R	Total/NA	Water	Field Sampling	
480-183292-11	MP-250	Total/NA	Water	Field Sampling	
480-183292-12	MP-250A	Total/NA	Water	Field Sampling	
480-183292-13	MP-213A	Total/NA	Water	Field Sampling	
480-183292-14	MP-237	Total/NA	Water	Field Sampling	
480-183292-15	MP-279	Total/NA	Water	Field Sampling	
480-183292-16	MP-405A	Total/NA	Water	Field Sampling	

Analysis Batch: 577845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-1	MP-233R	Total/NA	Water	Field Sampling	
480-183180-2	MP-233AR	Total/NA	Water	Field Sampling	
480-183180-3	MP-403A	Total/NA	Water	Field Sampling	
480-183180-4	MP-234R	Total/NA	Water	Field Sampling	
480-183180-5	MP-234AR	Total/NA	Water	Field Sampling	
480-183180-6	DUPLICATE-DMP#2	Total/NA	Water	Field Sampling	
480-183180-7	MP-228R	Total/NA	Water	Field Sampling	
480-183180-8	MP-228AR	Total/NA	Water	Field Sampling	
480-183180-9	DUPLICATE-DMP#1	Total/NA	Water	Field Sampling	
480-183180-10	MP-244R	Total/NA	Water	Field Sampling	
480-183180-11	MP-244ARR	Total/NA	Water	Field Sampling	
480-183180-12	MP-241R	Total/NA	Water	Field Sampling	
480-183180-13	MP-401B	Total/NA	Water	Field Sampling	
480-183180-14	MP-402A	Total/NA	Water	Field Sampling	
480-183180-15	MP-232A	Total/NA	Water	Field Sampling	
480-183180-16	MP-214BR	Total/NA	Water	Field Sampling	
480-183180-17	MP-404	Total/NA	Water	Field Sampling	
480-183180-18	MP-404A	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 577845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183180-19	MP-407	Total/NA	Water	Field Sampling	
480-183180-20	MP-230A	Total/NA	Water	Field Sampling	
480-183180-21	MP-401A	Total/NA	Water	Field Sampling	
480-183180-22	MP-281C	Total/NA	Water	Field Sampling	
480-183180-23	MP-211BR	Total/NA	Water	Field Sampling	
480-183180-24	MP-251A	Total/NA	Water	Field Sampling	
480-183180-25	MP-409	Total/NA	Water	Field Sampling	
480-183180-26	MP-210AR	Total/NA	Water	Field Sampling	
480-183180-27	MP-280A	Total/NA	Water	Field Sampling	
480-183180-28	DUPLICATE-DMP#3	Total/NA	Water	Field Sampling	
480-183180-29	MP-408	Total/NA	Water	Field Sampling	
480-183180-30	MP-280	Total/NA	Water	Field Sampling	
480-183180-31	MP-274A	Total/NA	Water	Field Sampling	
480-183180-32	MP-274	Total/NA	Water	Field Sampling	
480-183180-33	MP-286C	Total/NA	Water	Field Sampling	
480-183180-22 MS	MP-281C	Total/NA	Water	Field Sampling	
480-183180-22 MSD	MP-281C	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-233R

Lab Sample ID: 480-183180-1
Date Collected: 04/06/21 08:41
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 14:46	CRL	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 07:31	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 21:46	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:11	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 18:48	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:21	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577026	04/17/21 17:17	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 08:41	FLD	TAL BUF

Client Sample ID: MP-233AR

Lab Sample ID: 480-183180-2
Date Collected: 04/06/21 09:10
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 15:08	CRL	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 07:51	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 22:33	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:41	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 18:58	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:22	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577026	04/17/21 17:47	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 09:10	FLD	TAL BUF

Client Sample ID: MP-403A

Lab Sample ID: 480-183180-3
Date Collected: 04/06/21 09:40
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 15:30	CRL	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 08:10	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 22:49	NC	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-403A
Date Collected: 04/06/21 09:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:45	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:09	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:23	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577026	04/17/21 18:17	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 09:40	FLD	TAL BUF

Client Sample ID: MP-234R
Date Collected: 04/06/21 13:05
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 15:52	CRL	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 08:30	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 23:05	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:49	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:11	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:27	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/15/21 23:30	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 13:05	FLD	TAL BUF

Client Sample ID: MP-234AR
Date Collected: 04/06/21 14:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 16:14	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 15:28	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 23:21	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:53	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:14	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:29	BMB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-234AR

Lab Sample ID: 480-183180-5
Date Collected: 04/06/21 14:02
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	577033	04/16/21 00:27	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 14:02	FLD	TAL BUF

Client Sample ID: DUPLICATE-DMP#2

Lab Sample ID: 480-183180-6
Date Collected: 04/06/21 14:02
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 16:36	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 15:48	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 23:37	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 18:57	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:16	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:30	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 01:25	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 14:02	FLD	TAL BUF

Client Sample ID: MP-228R

Lab Sample ID: 480-183180-7
Date Collected: 04/06/21 15:23
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 16:57	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 16:08	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 23:53	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:12	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:18	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:31	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 04:18	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 15:23	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-228AR

Lab Sample ID: 480-183180-8
Date Collected: 04/06/21 16:14
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 17:19	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 16:28	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 00:08	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:15	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:28	AMH	TAL BUF
Dissolved	Prep	7470A			576316	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:33	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 05:16	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 16:14	FLD	TAL BUF

Client Sample ID: DUPLICATE-DMP#1

Lab Sample ID: 480-183180-9
Date Collected: 04/06/21 16:14
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 17:42	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 16:48	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 00:24	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:19	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:30	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:47	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 08:42	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 16:14	FLD	TAL BUF

Client Sample ID: MP-244R

Lab Sample ID: 480-183180-10
Date Collected: 04/06/21 09:08
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 18:03	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 17:08	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 00:40	NC	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-244R
Date Collected: 04/06/21 09:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:23	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:32	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:48	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577026	04/17/21 22:52	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 09:08	FLD	TAL BUF

Client Sample ID: MP-244ARR
Date Collected: 04/06/21 09:57
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 18:25	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 17:28	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 00:56	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:27	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:34	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:49	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577026	04/17/21 23:22	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 09:57	FLD	TAL BUF

Client Sample ID: MP-241R
Date Collected: 04/06/21 11:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 18:47	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 18:08	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 01:12	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:30	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:37	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:51	BMB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-241R
Date Collected: 04/06/21 11:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	577033	04/16/21 11:08	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 11:08	FLD	TAL BUF

Client Sample ID: MP-401B
Date Collected: 04/05/21 16:33
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576247	04/14/21 19:09	CRL	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 01:14	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 01:28	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:34	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:39	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:52	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 12:04	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 16:33	FLD	TAL BUF

Client Sample ID: MP-402A
Date Collected: 04/05/21 12:22
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576402	04/15/21 12:18	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 01:34	DSC	TAL BUF
Total/NA	Prep	3510C			577074	04/20/21 15:02	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/24/21 01:44	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:38	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:41	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:53	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 13:02	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 12:22	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-232A
Date Collected: 04/05/21 18:17
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 12:59	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 01:54	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 09:44	W1T	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:42	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:43	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:55	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 13:31	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 18:17	FLD	TAL BUF

Client Sample ID: MP-214BR
Date Collected: 04/06/21 10:10
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 13:22	CDC	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 18:27	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 10:00	W1T	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 19:57	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:46	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 17:59	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 14:00	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 10:10	FLD	TAL BUF

Client Sample ID: MP-404
Date Collected: 04/06/21 10:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 13:46	CDC	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 18:47	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 10:15	W1T	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-404
Date Collected: 04/06/21 10:45
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 20:00	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:48	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:00	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 14:28	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 10:45	FLD	TAL BUF

Client Sample ID: MP-404A
Date Collected: 04/06/21 11:15
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 14:09	CDC	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 19:07	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 10:31	W1T	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 20:04	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 19:57	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:01	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 15:56	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 11:15	FLD	TAL BUF

Client Sample ID: MP-407
Date Collected: 04/05/21 13:36
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 14:33	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 02:14	DSC	TAL BUF
Total/NA	Prep	3510C			577251	04/21/21 14:57	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577242	04/22/21 10:22	NC	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 20:08	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 20:00	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:03	BMB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-407

Lab Sample ID: 480-183180-19
Date Collected: 04/05/21 13:36
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	577033	04/16/21 16:53	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 13:36	FLD	TAL BUF

Client Sample ID: MP-230A

Lab Sample ID: 480-183180-20
Date Collected: 04/05/21 14:52
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 14:56	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 02:34	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 11:03	W1T	TAL BUF
Dissolved	Prep	3005A			576303	04/14/21 10:57	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576860	04/16/21 20:12	LMH	TAL BUF
Dissolved	Prep	3020A			576306	04/14/21 11:03	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576614	04/15/21 20:02	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:04	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 17:51	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 14:52	FLD	TAL BUF

Client Sample ID: MP-401A

Lab Sample ID: 480-183180-21
Date Collected: 04/05/21 15:45
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576214	04/14/21 00:09	CRL	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 02:54	DSC	TAL BUF
Total/NA	Prep	3510C			577251	04/21/21 14:57	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577242	04/22/21 10:38	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:15	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 17:37	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:05	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 18:20	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/05/21 15:45	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-281C
Date Collected: 04/06/21 16:50
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576214	04/14/21 00:33	CRL	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 08:50	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 09:28	W1T	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:18	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 17:40	AMH	TAL BUF
Dissolved	Prep	7470A			576318	04/14/21 13:47	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576365	04/14/21 18:06	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 22:44	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 16:50	FLD	TAL BUF

Client Sample ID: MP-211BR
Date Collected: 04/06/21 17:04
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 15:20	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 09:50	DSC	TAL BUF
Total/NA	Prep	3510C			577251	04/21/21 14:57	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577242	04/22/21 10:53	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:37	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 17:58	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:46	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 18:49	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 17:04	FLD	TAL BUF

Client Sample ID: MP-251A
Date Collected: 04/06/21 15:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 15:44	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 10:10	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577479	04/23/21 11:51	W1T	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-251A
Date Collected: 04/06/21 15:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:41	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:00	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:47	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 19:18	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 15:08	FLD	TAL BUF

Client Sample ID: MP-409
Date Collected: 04/06/21 16:08
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 16:07	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 10:49	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 16:44	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:56	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:03	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:52	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/16/21 19:47	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 16:08	FLD	TAL BUF

Client Sample ID: MP-210AR
Date Collected: 04/06/21 13:55
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 16:31	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 11:09	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 17:00	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 16:59	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:05	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:54	BMB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-210AR

Lab Sample ID: 480-183180-26
Date Collected: 04/06/21 13:55
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	577033	04/16/21 20:16	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 13:55	FLD	TAL BUF

Client Sample ID: MP-280A

Lab Sample ID: 480-183180-27
Date Collected: 04/06/21 15:45
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 16:55	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 11:29	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 17:16	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:03	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:07	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:55	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 00:07	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 15:45	FLD	TAL BUF

Client Sample ID: DUPLICATE-DMP#3

Lab Sample ID: 480-183180-28
Date Collected: 04/06/21 15:45
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 17:19	CDC	TAL BUF
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 11:49	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 17:32	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:07	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:09	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 17:59	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 00:36	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 15:45	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-408

Lab Sample ID: 480-183180-29
Date Collected: 04/06/21 13:19
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576214	04/13/21 23:22	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 19:27	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 17:47	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:11	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:12	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:00	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 01:05	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 13:19	FLD	TAL BUF

Client Sample ID: MP-280

Lab Sample ID: 480-183180-30
Date Collected: 04/06/21 14:54
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576214	04/13/21 23:45	CRL	TAL BUF
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 19:47	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 18:03	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:15	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:14	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:01	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 01:34	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 14:54	FLD	TAL BUF

Client Sample ID: MP-274A

Lab Sample ID: 480-183180-31
Date Collected: 04/06/21 13:53
Matrix: Water
Date Received: 04/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 17:42	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 03:33	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 18:19	NC	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-274A
Date Collected: 04/06/21 13:53
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:19	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:16	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:03	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 02:03	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 13:53	FLD	TAL BUF

Client Sample ID: MP-274
Date Collected: 04/06/21 14:40
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 18:06	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 03:53	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 18:35	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:22	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:18	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:04	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577033	04/17/21 03:31	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 14:40	FLD	TAL BUF

Client Sample ID: MP-286C
Date Collected: 04/06/21 16:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576253	04/14/21 18:30	CDC	TAL BUF
Total/NA	Prep	8011			576493	04/15/21 15:05	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 04:13	DSC	TAL BUF
Total/NA	Prep	3510C			577165	04/21/21 08:49	JMP	TAL BUF
Total/NA	Analysis	8082A		1	577645	04/23/21 18:51	NC	TAL BUF
Dissolved	Prep	3005A			576305	04/14/21 11:00	ADM	TAL BUF
Dissolved	Analysis	6010C		1	576867	04/16/21 17:26	LMH	TAL BUF
Dissolved	Prep	3020A			576307	04/14/21 11:07	ADM	TAL BUF
Dissolved	Analysis	6020A		1	576613	04/15/21 18:28	AMH	TAL BUF
Dissolved	Prep	7470A			576475	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:05	BMB	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-286C
Date Collected: 04/06/21 16:02
Date Received: 04/08/21 08:00

Lab Sample ID: 480-183180-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	577033	04/17/21 04:29	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577845	04/06/21 16:02	FLD	TAL BUF

Client Sample ID: MP-235CR
Date Collected: 04/07/21 08:33
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 19:03	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 00:16	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 05:30	LMH	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578755	04/29/21 18:26	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:04	KMP	TAL BUF
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:46	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 13:26	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 08:33	FLD	TAL BUF

Client Sample ID: MP-235BR
Date Collected: 04/07/21 09:25
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 19:23	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 00:32	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 05:45	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:06	KMP	TAL BUF
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:47	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 13:54	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 09:25	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-235R

Lab Sample ID: 480-183292-3
Date Collected: 04/07/21 10:12
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 19:43	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 00:48	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 05:49	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:08	KMP	TAL BUF
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:48	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 14:23	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 10:12	FLD	TAL BUF

Client Sample ID: MP-206AR

Lab Sample ID: 480-183292-4
Date Collected: 04/07/21 10:19
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 20:03	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 01:04	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 05:53	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:11	KMP	TAL BUF
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:50	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 14:51	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 10:19	FLD	TAL BUF

Client Sample ID: MP-406C

Lab Sample ID: 480-183292-5
Date Collected: 04/07/21 11:11
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 20:22	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 01:20	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 05:57	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:13	KMP	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-406C
Date Collected: 04/07/21 11:11
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:51	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 15:19	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 11:11	FLD	TAL BUF

Client Sample ID: FIELD BLANK DMP #1
Date Collected: 04/07/21 10:10
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 21:03	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 01:35	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:01	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:22	KMP	TAL BUF
Dissolved	Prep	7470A			576476	04/15/21 13:29	BMB	TAL BUF
Dissolved	Analysis	7470A		1	576539	04/15/21 18:52	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 17:46	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 10:10	FLD	TAL BUF

Client Sample ID: MP-281
Date Collected: 04/06/21 17:48
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576519	04/15/21 16:58	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 12:09	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 01:51	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:05	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:25	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:34	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 18:13	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/06/21 17:48	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-231AR

Lab Sample ID: 480-183292-8
Date Collected: 04/07/21 08:34
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			577071	04/20/21 14:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	577095	04/20/21 20:08	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 02:07	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:09	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:27	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:42	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 19:10	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 08:34	FLD	TAL BUF

Client Sample ID: MP-277A

Lab Sample ID: 480-183292-9
Date Collected: 04/07/21 09:30
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			577071	04/20/21 14:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	577095	04/20/21 20:28	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 02:23	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:13	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:29	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:43	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 20:08	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 09:30	FLD	TAL BUF

Client Sample ID: MP-238R

Lab Sample ID: 480-183292-10
Date Collected: 04/07/21 11:16
Matrix: Water
Date Received: 04/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			577071	04/20/21 14:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	577095	04/20/21 20:48	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 02:39	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:17	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:31	KMP	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-238R
Date Collected: 04/07/21 11:16
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:44	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 20:37	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 11:16	FLD	TAL BUF

Client Sample ID: MP-250
Date Collected: 04/07/21 10:35
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			577071	04/20/21 14:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	577095	04/20/21 21:08	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 02:55	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:32	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:34	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:46	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 21:06	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 10:35	FLD	TAL BUF

Client Sample ID: MP-250A
Date Collected: 04/07/21 11:18
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			577071	04/20/21 14:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	577095	04/20/21 21:28	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 03:10	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:36	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:36	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:47	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 22:33	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 11:18	FLD	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-213A
Date Collected: 04/06/21 17:53
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 20:07	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 03:26	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:40	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:38	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:48	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/22/21 23:28	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/06/21 17:53	FLD	TAL BUF

Client Sample ID: MP-237
Date Collected: 04/06/21 17:53
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576534	04/15/21 17:36	DSC	TAL BUF
Total/NA	Analysis	8011		1	576543	04/16/21 20:27	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 03:43	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:44	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:41	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:50	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/23/21 00:25	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/06/21 17:53	FLD	TAL BUF

Client Sample ID: MP-279
Date Collected: 04/07/21 08:44
Date Received: 04/12/21 10:00

Lab Sample ID: 480-183292-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 21:23	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 03:58	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:48	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:43	KMP	TAL BUF

Lab Chronicle

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Client Sample ID: MP-279

Lab Sample ID: 480-183292-15

Date Collected: 04/07/21 08:44
Date Received: 04/12/21 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:51	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/23/21 00:55	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 08:44	FLD	TAL BUF

Client Sample ID: MP-405A

Lab Sample ID: 480-183292-16

Date Collected: 04/07/21 09:40
Date Received: 04/12/21 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			576915	04/19/21 15:52	DSC	TAL BUF
Total/NA	Analysis	8011		1	576903	04/19/21 21:43	DSC	TAL BUF
Total/NA	Prep	3510C			577675	04/23/21 15:14	ATG	TAL BUF
Total/NA	Analysis	8082A		1	577991	04/27/21 04:14	W1T	TAL BUF
Dissolved	Prep	3005A			576741	04/22/21 09:23	KMP	TAL BUF
Dissolved	Analysis	6010C		1	578561	04/29/21 06:52	LMH	TAL BUF
Dissolved	Prep	3020A			576740	04/20/21 13:57	ADM	TAL BUF
Dissolved	Analysis	6020A		1	577172	04/20/21 20:52	KMP	TAL BUF
Dissolved	Prep	7470A			577040	04/20/21 13:58	BMB	TAL BUF
Dissolved	Analysis	7470A		1	577118	04/20/21 17:52	BMB	TAL BUF
Total/NA	Analysis	9060A		1	577605	04/23/21 01:23	CLA	TAL BUF
Total/NA	Analysis	Field Sampling		1	577377	04/07/21 09:40	FLD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Laboratory: Eurofins TestAmerica, Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-07-21
Connecticut	State	PH-0568	09-30-22
Florida	NELAP	E87672	07-01-21
Georgia	State	10026 (NY)	03-31-22
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-22
Illinois	NELAP	200003	10-01-21
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-02-22
Kentucky (DW)	State	90029	12-31-21
Kentucky (UST)	State	30	04-01-22
Kentucky (WW)	State	KY90029	01-01-22
Louisiana	NELAP	02031	07-01-21
Maine	State	NY00044	12-05-22
Maryland	State	294	04-02-22
Massachusetts	State	M-NY044	06-30-21
Michigan	State	9937	04-01-22
Michigan	State Program	9937	04-01-09 *
Minnesota	NELAP	1524384	01-01-22
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-19-21
New Jersey	NELAP	NY455	06-30-21
New York	NELAP	10026	06-06-21
Oklahoma	State	9421	09-02-21
Oregon	NELAP	NY200003	06-11-21
Pennsylvania	NELAP	68-00281	07-31-21
Rhode Island	State	LAO00328	12-30-20 *
Tennessee	State	02970	03-31-22
Texas	NELAP	T104704412-18-10	08-02-21
USDA	US Federal Programs	P330-18-00039	02-06-21 *
Virginia	NELAP	460185	09-14-21
Washington	State	C784	02-10-22
Wisconsin	State	998310390	09-01-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8011	EDB and DBCP in Water by Microextraction	EPA	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
6020A	Metals (ICP/MS)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL BUF
3020A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8011	Microextraction	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Semiannual

Job ID: 480-183180-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-183180-1	MP-233R	Water	04/06/21 08:41	04/08/21 08:00	
480-183180-2	MP-233AR	Water	04/06/21 09:10	04/08/21 08:00	
480-183180-3	MP-403A	Water	04/06/21 09:40	04/08/21 08:00	
480-183180-4	MP-234R	Water	04/06/21 13:05	04/08/21 08:00	
480-183180-5	MP-234AR	Water	04/06/21 14:02	04/08/21 08:00	
480-183180-6	DUPLICATE-DMP#2	Water	04/06/21 14:02	04/08/21 08:00	
480-183180-7	MP-228R	Water	04/06/21 15:23	04/08/21 08:00	
480-183180-8	MP-228AR	Water	04/06/21 16:14	04/08/21 08:00	
480-183180-9	DUPLICATE-DMP#1	Water	04/06/21 16:14	04/08/21 08:00	
480-183180-10	MP-244R	Water	04/06/21 09:08	04/08/21 08:00	
480-183180-11	MP-244ARR	Water	04/06/21 09:57	04/08/21 08:00	
480-183180-12	MP-241R	Water	04/06/21 11:08	04/08/21 08:00	
480-183180-13	MP-401B	Water	04/05/21 16:33	04/08/21 08:00	
480-183180-14	MP-402A	Water	04/05/21 12:22	04/08/21 08:00	
480-183180-15	MP-232A	Water	04/05/21 18:17	04/08/21 08:00	
480-183180-16	MP-214BR	Water	04/06/21 10:10	04/08/21 08:00	
480-183180-17	MP-404	Water	04/06/21 10:45	04/08/21 08:00	
480-183180-18	MP-404A	Water	04/06/21 11:15	04/08/21 08:00	
480-183180-19	MP-407	Water	04/05/21 13:36	04/08/21 08:00	
480-183180-20	MP-230A	Water	04/05/21 14:52	04/08/21 08:00	
480-183180-21	MP-401A	Water	04/05/21 15:45	04/08/21 08:00	
480-183180-22	MP-281C	Water	04/06/21 16:50	04/08/21 08:00	
480-183180-23	MP-211BR	Water	04/06/21 17:04	04/08/21 08:00	
480-183180-24	MP-251A	Water	04/06/21 15:08	04/08/21 08:00	
480-183180-25	MP-409	Water	04/06/21 16:08	04/08/21 08:00	
480-183180-26	MP-210AR	Water	04/06/21 13:55	04/08/21 08:00	
480-183180-27	MP-280A	Water	04/06/21 15:45	04/08/21 08:00	
480-183180-28	DUPLICATE-DMP#3	Water	04/06/21 15:45	04/08/21 08:00	
480-183180-29	MP-408	Water	04/06/21 13:19	04/08/21 08:00	
480-183180-30	MP-280	Water	04/06/21 14:54	04/08/21 08:00	
480-183180-31	MP-274A	Water	04/06/21 13:53	04/08/21 08:00	
480-183180-32	MP-274	Water	04/06/21 14:40	04/08/21 08:00	
480-183180-33	MP-286C	Water	04/06/21 16:02	04/08/21 08:00	
480-183292-1	MP-235CR	Water	04/07/21 08:33	04/12/21 10:00	
480-183292-2	MP-235BR	Water	04/07/21 09:25	04/12/21 10:00	
480-183292-3	MP-235R	Water	04/07/21 10:12	04/12/21 10:00	
480-183292-4	MP-206AR	Water	04/07/21 10:19	04/12/21 10:00	
480-183292-5	MP-406C	Water	04/07/21 11:11	04/12/21 10:00	
480-183292-6	FIELD BLANK DMP #1	Water	04/07/21 10:10	04/12/21 10:00	
480-183292-7	MP-281	Water	04/06/21 17:48	04/12/21 10:00	
480-183292-8	MP-231AR	Water	04/07/21 08:34	04/12/21 10:00	
480-183292-9	MP-277A	Water	04/07/21 09:30	04/12/21 10:00	
480-183292-10	MP-238R	Water	04/07/21 11:16	04/12/21 10:00	
480-183292-11	MP-250	Water	04/07/21 10:35	04/12/21 10:00	
480-183292-12	MP-250A	Water	04/07/21 11:18	04/12/21 10:00	
480-183292-13	MP-213A	Water	04/06/21 17:53	04/12/21 10:00	
480-183292-14	MP-237	Water	04/06/21 17:53	04/12/21 10:00	
480-183292-15	MP-279	Water	04/07/21 08:44	04/12/21 10:00	
480-183292-16	MP-405A	Water	04/07/21 09:40	04/12/21 10:00	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-184725-2
Client Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

For:
Republic Services Inc
5092 Aber Road
Williamsburg, Ohio 45176

Attn: Mr. Andrew Thompson

Authorized for release by:
6/23/2021 5:37:50 PM

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Brian Fischer
Manager of Project Management
6/23/2021 5:37:50 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Client Sample Results 6
QC Sample Results 9
QC Association 10
Chronicle 11
Certification Summary 12
Method Summary 13
Sample Summary 14
Chain of Custody 15
Receipt Checklists 16

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Job ID: 480-184725-2

Job ID: 480-184725-2

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-184725-2

Comments
No additional comments.

Receipt
The samples were received on 5/14/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 3.7º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Job ID: 480-184725-2

Client Sample ID: MP-406C

Lab Sample ID: 480-184725-1

Date Collected: 05/12/21 09:12
Matrix: Water
Date Received: 05/14/21 10:00

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.14		0.0010	0.00015	mg/L		06/23/21 07:00	06/23/21 11:37	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Job ID: 480-184725-2

Client Sample ID: MP-409

Lab Sample ID: 480-184725-4

Date Collected: 05/12/21 11:06
Date Received: 05/14/21 10:00

Matrix: Water

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.13		0.0010	0.00015	mg/L		06/23/21 07:00	06/23/21 11:39	1

Client Sample Results

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Job ID: 480-184725-2

Client Sample ID: MP-241R

Lab Sample ID: 480-184726-3

Date Collected: 05/12/21 11:02
Matrix: Water
Date Received: 05/14/21 10:00

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.051		0.0010	0.00015	mg/L		06/23/21 07:00	06/23/21 11:42	1

QC Sample Results

Client: Republic Services Inc
Job ID: 480-184725-2
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 480-586503/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 586641
Prep Batch: 586503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0010	0.00015	mg/L		06/23/21 07:00	06/23/21 11:32	1

Lab Sample ID: LCS 480-586503/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 586641
Prep Batch: 586503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.0200	0.0200		mg/L		100	80 - 120

QC Association Summary

Client: Republic Services Inc
Job ID: 480-184725-2
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Metals

Prep Batch: 586503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184725-1	MP-406C	Dissolved	Water	3020A	
480-184725-4	MP-409	Dissolved	Water	3020A	
480-184726-3	MP-241R	Dissolved	Water	3020A	
MB 480-586503/1-A	Method Blank	Total/NA	Water	3020A	
LCS 480-586503/2-A	Lab Control Sample	Total/NA	Water	3020A	

Analysis Batch: 586641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184725-1	MP-406C	Dissolved	Water	6020A	586503
480-184725-4	MP-409	Dissolved	Water	6020A	586503
480-184726-3	MP-241R	Dissolved	Water	6020A	586503
MB 480-586503/1-A	Method Blank	Total/NA	Water	6020A	586503
LCS 480-586503/2-A	Lab Control Sample	Total/NA	Water	6020A	586503

Lab Chronicle

Client: Republic Services Inc
Job ID: 480-184725-2
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Client Sample ID: MP-406C
Lab Sample ID: 480-184725-1

Date Collected: 05/12/21 09:12
Matrix: Water
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3020A			586503	06/23/21 07:00	KMP	TAL BUF
Dissolved	Analysis	6020A		1	586641	06/23/21 11:37	KMP	TAL BUF

Client Sample ID: MP-409
Lab Sample ID: 480-184725-4

Date Collected: 05/12/21 11:06
Matrix: Water
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3020A			586503	06/23/21 07:00	KMP	TAL BUF
Dissolved	Analysis	6020A		1	586641	06/23/21 11:39	KMP	TAL BUF

Client Sample ID: MP-241R
Lab Sample ID: 480-184726-3

Date Collected: 05/12/21 11:02
Matrix: Water
Date Received: 05/14/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3020A			586503	06/23/21 07:00	KMP	TAL BUF
Dissolved	Analysis	6020A		1	586641	06/23/21 11:42	KMP	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Republic Services Inc
Job ID: 480-184725-2
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Laboratory: Eurofins TestAmerica, Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-07-21
Connecticut	State	PH-0568	09-30-22
Florida	NELAP	E87672	07-01-21
Georgia	State	10026 (NY)	03-31-22
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-22
Illinois	NELAP	200003	10-01-21
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-02-22
Kentucky (DW)	State	90029	12-31-21
Kentucky (UST)	State	30	04-01-22
Kentucky (WW)	State	KY90029	01-01-22
Louisiana	NELAP	02031	07-01-21
Maine	State	NY00044	12-05-22
Maryland	State	294	04-02-22
Massachusetts	State	M-NY044	06-30-21
Michigan	State	9937	04-01-22
Michigan	State Program	9937	04-01-09 *
Minnesota	NELAP	1524384	01-01-22
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-19-21
New Jersey	NELAP	NY455	06-30-21
New York	NELAP	10026	04-01-22
Oklahoma	State	9421	09-02-21
Oregon	NELAP	NY200003	06-12-22
Pennsylvania	NELAP	68-00281	07-31-21
Rhode Island	State	LAO00328	12-30-20 *
Tennessee	State	02970	03-31-22
Texas	NELAP	T104704412-18-10	08-02-21
USDA	US Federal Programs	P330-18-00039	02-06-21 *
Virginia	NELAP	460185	09-14-21
Washington	State	C784	02-10-22
Wisconsin	State	998310390	09-01-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Republic Services Inc
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Job ID: 480-184725-2

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL BUF
3020A	Preparation, Total Metals	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Republic Services Inc
Job ID: 480-184725-2
Project/Site: Aber Rd. Landfill - DMP Groundwater (resampling)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184725-1	MP-406C	Water	05/12/21 09:12	05/14/21 10:00	
480-184725-4	MP-409	Water	05/12/21 11:06	05/14/21 10:00	
480-184726-3	MP-241R	Water	05/12/21 11:02	05/14/21 10:00	

stAmerica Buffalo
Hazelwood Drive
herst, NY 14228
ne 716.504.9852 fax 716.691.7991

Columbus
209

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☑ RCRA ☐ Other: Resample

Client Contact
on & Associates, Inc.
Old Wilson Bridge Road Suite 115
thington, Ohio 43085
) 888-5760 Phone
) 888-5763 FAX
ect Name: Resampling
: CECOS - Aber Rd
#

Project Manager: Mike Gibson
Tel/Fax: (614) 888-5760/5763

Site Contact: Andrew Thompson
Lab Contact: Brian Fischer

Date:
Carrier: TA-Cols

COC No: _____ of _____ COCs

Analysis Turnaround Time
☑ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below: 21 Days
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:
Sampler:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)*	VOCs (8260C) + 8011	Diss. Barium	* - only metals bottles are field filtered	Sample Specific Notes:
MP-250	5/12/21	9:25	Grab	GW	3	N	X			
MP-250A	5/12/21	9:56	G	GW	3	N	X			
MP-241R	5/12/21	11:02	G	GW	1	Y		X		
MP-235BR	5/12/21	12:16	G	GW	4	N	X			
MP-235CR	5/12/21	12:51	G	GW	4	N	X			
MP-238R	5/12/21	14:39	G	GW	5	Y	X	X		
MP-237	5/12/21	13:58	G	GW	4	N	X			
MP-235R	5/12/21	11:40	G	GW	4	N	X			
							2	4		

480-184726 Chain of Custody

ervation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= None

All samples preserved on ice

sible Hazard Identification:
any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the ments Section if the lab is to dispose of the sample.
] Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

cial Instructions/QC Requirements & Comments:

stody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
quished by: Drew Barchowsky/Andrew Barchowsky	Company: Eagon & Associates, Inc.	Date/Time: 5/13/21 @ 0929	Received by: Gimar Rivera	Company: ETA	Date/Time: 5-13-21 9:29
quished by: Gimar Rivera	Company: ETA	Date/Time: 5-13-21 1700	Received by:	Company:	Date/Time:
quished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAB	Date/Time: 5/14/21 1000

3.7#1

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-184725-2

Login Number: 184725

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-184725-2

Login Number: 184726

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	